BC Marketplace

A UNIT OF BC GROUP INTERNATIONAL, INC.

Unfors RaySafe Xi Prestige Systems

See Page OO

TSI Certifier-FA PLUS Flow Analyzer

See Page U

2013-2014 CATALOG

Viasensor CO_2 Incubator Analyzer

See Page Q

Mavo-Monitor USB Light Meter

See Page QQ

BC Group
YOUR ONE-STOP BIOMED SHOP

3081 Elm Point Industrial Dr.
St. Charles, MO 63301

Mail Room:
If Addressee not available
please deliver to:
- Biomedical Engineering
- Clinical Engineering
- Service Manager

PRST STD
US POSTAGE PAID
Permit 38
FULTON, MO

HOW TO CONTACT US

Toll-Free:
1-888-BC-FOR-ME
(1-888-223-6763)

Local & International:
1-314-638-3800

Fax:
1-314-638-3200

Hours:
8:00 am to 5:00 pm CST

Address:
BC Group International, Inc.
3081 Elm Point Industrial Dr.
St. Charles, MO 63301 USA

Eastern Regional Sales Office
Loganville, GA
Office: 770-554-9298

Dealer Inquiries:
dealerissues@bcgroupintl.com

E-Mail:
sales@bcgroupintl.com
service@bcgroupintl.com

WebSite & Web Store:
www.bcgroupintl.com

Customer Satisfaction & Feedback

We strive for 100% Customer Satisfaction. Your feedback is very important to us & we take each comment seriously. Many of our improvements have been implemented due to recommendations from customers. After each sales or service transaction, please take a moment to complete a Customer Satisfaction survey found in your product shipment paperwork.

Please contact us any time we fail to meet your expectations

Pricing Notes

We try to ensure that prices are up to date as of printing date but it isn't always possible. For up-to-date pricing, contact us or visit our web site. All prices are in U.S. dollars (USD); International Pricing can be determined by adding 20% to the item's listed price.

ISO 13485:2003
Certified
ISO 9001:2008
Certified

PLEASE NOTE:
Pricing and Specifications may change without notice.

© BC Group International Inc. 2013

Be sure to check out what is new from the BC Marketplace:

BC Biomedical NIBP-1030
NIBP Simulator
Page I

BC Biomedical ESU-2400
Digital ESU Analyzer
Page G

BC Biomedical ESU-2050P
Digital ESU Analyzer
Page F

Doing Business with BC Group

We make it easy

Here are the ways to order products and services from us:

- **Buy Online:** Safe, secure internet shopping at www.bcgroupintl.com
- **Credit Card:** MasterCard, Visa, American Express and Discover (Domestic Only) International with prior approval only
- **IMPAC Card:** U.S. Government Purchasing Card
- **C.O.D.:** Cash on Delivery (Money order or Cashier's Check only)
- **C.I.A.:** Cash/Payment in Advance
- **Net 30 Day Terms:** Please contact one of our sales team members if you're interested in this program
- **Wire Transfer:** Electronic Payment ($50 USD additional bank charge added to total amount.)
- **Signature Required:** Our default shipping method is signature required. We must receive authorization in writing to ship without signature.
- **Handling Fee:** Handling fees will apply, especially when shipping on third party shipping account
- **Blanket Purchase Order:** A BPO for a year or more saves time and administrative costs for your organization
- **Lease-to-Own:** Purchase capital equipment without the up-front cash outlay while enjoying tax benefits and off-balance-sheet financing
- **Biomedical Teaching Institution Discount Program:** Contact us for more information concerning this program
- **Major Account Programs:** Special incentives and support for larger customers, covering both product purchases and test equipment service. We can custom-design a program for you, covering everything from "new-hire" test equipment/tool assortments to complete management of your calibration program. If you're a large ISO, a manufacturer or have multiple sites, be sure to inquire.
- **Faxed-in Orders:** Upon completing our faxable order form, located at www.bcgroupintl.com, feel free to fax it to us at 1-314-638-3200 to ensure prompt processing.
- **Authorized Dealers:** Check www.bcgroupintl.com for a list of dealers.

PLEASE NOTE:

Minimum order with BC Group is $50 domestic, $250 international.

Table of Contents

In Alphabetical Order

78XX Test Box (Ohmeda®) . . . . .Y
Absolute Pressure Meters . . .O,P
Accessories, Biomedical . . . . . .B
D,E,F,G,I,J,K,M,N,V,X,Y,Z,BB,DD,
EE,FF,GG, HH
Alnor . . . . . .R
Amvex . . . . . .S
Analytical Balances CC
Analytical Instruments, Inc. . .AA
Anesthesia Test Equip. . . . .U,V,Y
Anesthetic Agent Analyzer . . . .Z
Ansonics . . . . . .T
Atrix MRI Vacuum . . . . . .PP
Bacharach . . . . . .Q
Balometers . . . . . .Q
Battery Eliminators II
BC Biomedical . . . . A,B,D,E,F,G,I,J,
K,M,N,V,X,Y,Z,BB,DD,EE,FF,GG,HH,II
Biomedical Test Equip., Misc . .
. . . . . .BB,CC
BK Precision . . . . . JJ
Blood Pressure Cables . .D,EE,FF
Cables . . . . . .D,EE,FF,GG
Cardiac Output Sims . . . . . .C,D,F
Carts & Dollies . . . . . .RR
Cases . . . . . .RR
CDI . . . . . .RR
Chatillion . . . . . .K
Clamp-ons . . . . . .KK
CO_2/CO Monitors . . . . . .Q
Current Source . . . . . .B
Defibrillator Analyzers . . . . . .E
Dew Point Meters . . . . . .S
Digital Force Gauges . . . . . .K
Digital Hanging Scales . . . . . .K
Digital Multimeters . . . . . .LL,KK
Digital Pressure Meters . . . . .M-P
Digital Thermometers . . . . . .MM
DranTech LL
ECG Sims & Access C
Environmental . . . . . .Q
Environmental Sensors . . . . . .Q
ESD Kits . . . . . .RR
ESU Analyzers & Access . .E,F,G
Extech . . . . . .V,BB,CC,MM
FingerSim™ . . . . . .J
Flow Analyzer V
Flowhoods . . . . . .Q
Flowmeters . . . . . S,U,Y,Z
Fluke® . . . . . .II,JJ,MM
Gammex RMI . . . . . .NN
Gas Analyzers . . . . . .Q,T,V,Y,Z
Gauges . . . . . .O
Gelman . . . . . .S
Gilmont . . . . . .S
Gossen Light Meter . . . . . .S
Halogen Leak Detectors . . . . . .T
Hand Pumps (Pressure/Vac) . . .T
HEPA Vacuums . . . . . .RR
HVAC . . . . . .Q
Imaging . . . . . .NN
Infrared Thermometers . . . . . .MM
Infusion Pump Analyzers . . . . . .K
Intl. Safety Analyzer . . . . . .B
Invasive Blood Pressure C
Kart-A-Bag . . . . . .RR
Kelvin & Chassis Cables . . .B,DD
Key Instruments . . . . . .S
Krytox Lubricant . . . . . .Y
Laser Heads/Power Wattmeters . .CC
Leak Detectors . . . . . .T
Light Meters . . . . . .BB
Low Pressure Warning Devices . . .T
Lung Sims . . . . . .Y,W
Magnum . . . . . .T
Mass Flowmeters . . . . . .U,Y
Matheson . . . . . .S
Maxtec Oxygen Analyzer . . . .AA
McGan . . . . . .H
Medical Gas . . . . . .S,T
Medical Gas Fitting Kits . . . . . .S
Meriam . . . . . .O,P
MiniOx . . . . . .AA
Michigan Instruments . . . . . .W
MSA . . . . . .AA
Multimeters . . . . . .KK,LL
Multi-Parameter Sims . . . . . .C,D
Nellcor SpO_2 . . . . . .J
NIBP I
NIBP Adapter/Fitting Kit . . . .I,DD
Nitrogen Purging Regulator . . . .T
Nitrous Oxide Monitors . . . . .Q,T
Noise Dosimeters . . . . . .BB
Ohmic . . . . . .L,S
Ophir CC
Oscilloscopes . . . . . .JJ
Oxygen Analyzers . . . . . .AA
Oxygen Lube Thread Sealant . .Y
Oxygen Monitors . . . . . .AA
Oxygen Sensors . . . . . .AA
Pacemaker Tester . . . . . .E
Particulate Filters . . . . . .S
Patient Sims . . . . . .A,C,D,E,I,J
Pearson CT . . . . . .F
Phantom, Ultrasound . . . . . .NN
Physical Therapy . . . . . .K
Pocket Testers (Nellcor) . . . . . .J
Power Cord Options II
Power Line Disturbance LL
PowerXplorer LL
Pressure Gauges . . . . . .O,P
Pressure Meter Adapter Kits . .DD
Pulse Oximetry Sims . . . . . .J
Remin . . . . . .RR
Remote Control, Pat Sim . . . . . .D
Resistors, Load . . . . . .F,Z
Respiratory Test Equip . . . . . .V,Z
Respirometers . . . . . .Y
Rice Lake CC
Safety Analyzer Cables . . . .B,DD
Safety Analyzers . . . . . .A,B
Sahara . . . . . .S
Scales . . . . . .K,BB
Scopemeters . . . . . .JJ
Simulators, Patient . . . .A,C,D,E,I,J
Smart Manometer . . . . . .O,P
Snoop Leak Detector . . . . . .T
Sound Level Meters . . . . . .BB
Spectrum Analyzers . . . . . .JJ
SpO_2 . . . . . .J
SPO-2000 . . . . . .J
Static Kit . . . . . .RR
Stopwatches . . . . . .BB
Tachometers . . . . . .BB
TC-1726 . . . . . .BB
TEE Tester . . . . . .B
Temperature . . . . . .MM
Temperature Adapters . . . . . .MM
Test Lead Sets . . . . . .KK
Test Lungs . . . . . .Y
TGA . . . . . .Q
Thermo-Anemometers . . . . . .Q
Thermometers . . . . . .MM
TIF . . . . . .Q,T,MM
Torque Screwdrivers . . . . . .RR
TSI Certifier . . . . . .U
Ultrasonic Leak Detectors . . . . .T
Ultrasound Adapters . . . . . .HH
Ultrasound Imaging Phantom . .NN
Ultrasound Leak Tester . . . . . .B
Ultrasound Wattmeters L
UMA L
Unfors Raysafe . . . . . .OO,PP
UW6 Ultrasound Wattmeter L
Vacuums, Service . . . . . .RR
Ventilator Analyzers . . . . . .U,V
VSI-1466 Switching Instrument . . . .Z
Weights CC
Western . . . . . .T
WIKA Pressure Gauges . . . . . .T

(Manufacturer names are highlighted in red)

Any of the trademarks, service marks or similar rights that are mentioned, used or cited within are the property of their respective owners. Their use here does not imply endorsement or affiliation with any of the holders of any such rights.

Biomedical Products

Look for the BCB Exclusive symbol (pictured to the right) for all of our own BC Biomedical proprietary brand products found throughout this catalog. You will notice that BC Biomedical products will ensure you receive high quality products at minimal cost. The flip side of this catalog is dedicated to the BC Biomedical Products, with full specifications and detailed model information.

BCB Exclusive

BC Biomedical™
A UNIT OF BC GROUP INTERNATIONAL, INC.

BC Biomedical Safety Analyzer Series

The SA-2000 Series is a Microprocessor based Electrical Safety Analyzer Family. All five models provide the same basic functions and each comes with a BC20-20110 Chassis (Black) cable for easier testing and BC Biomedical soft carrying case for extra protection.

The SA-2000 Family of Safety Analyzers allows the user a great deal of flexibility in testing. Plus any of the basic tests can be run in almost any sequence.

The compact size makes the SA-2000 Family easy to hold and operate. All models operate from 90 to 264V @ 50/60 Hz, with Load Currents up to 20 amps, so there is no need to purchase two different analyzers to cover your testing needs. The SA-2010S is the smallest safety analyzer available with a built-in ECG Patient Simulator.

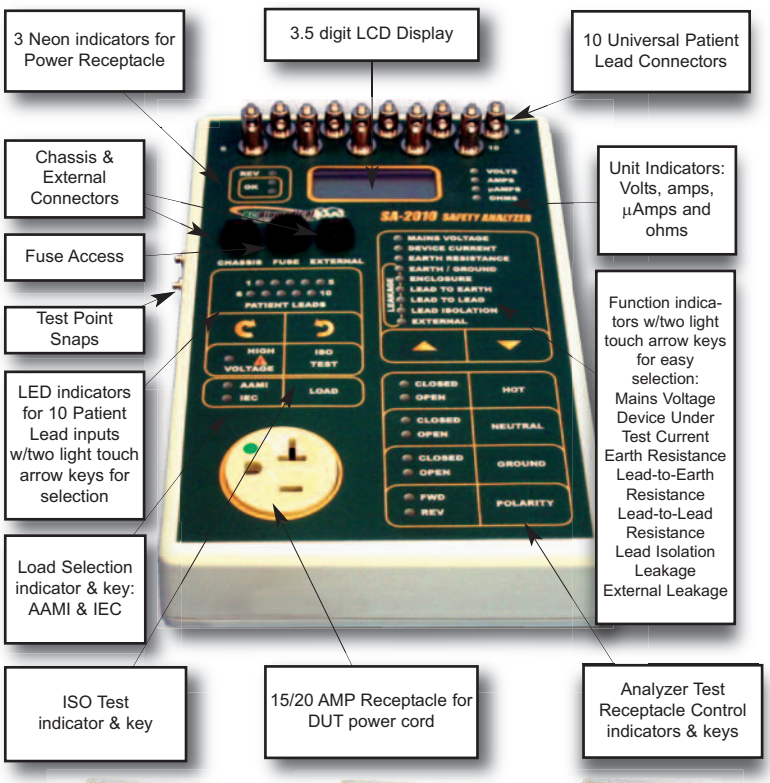
- The SA-2005 has all of the SA-2000 features, plus adds 5 Patient Lead connectors
- The SA-2010 has all of the SA-2005 features, and has 10 Patient Lead connectors
- The SA-2010S has all of the SA-2010 features, plus adds an ECG Patient Simulator
- RS232 -R Option add $125

***For Point-to-Point Testing*, please order the BC20-20111 BC Biomedical External (Red) Cable (see page B).**

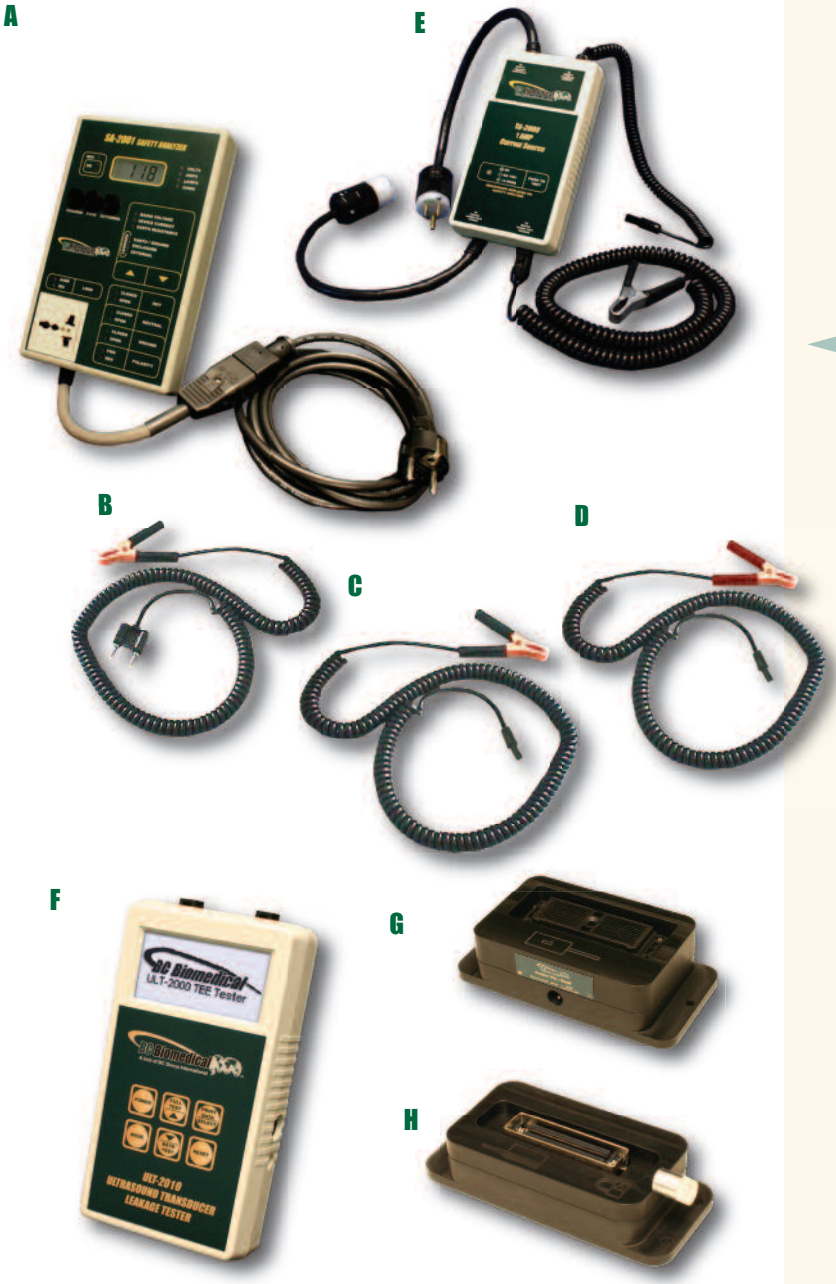
Flip for more info on this series - Pages 1-2

All SA Series Prices Include Soft Carrying Case BC20-30107.

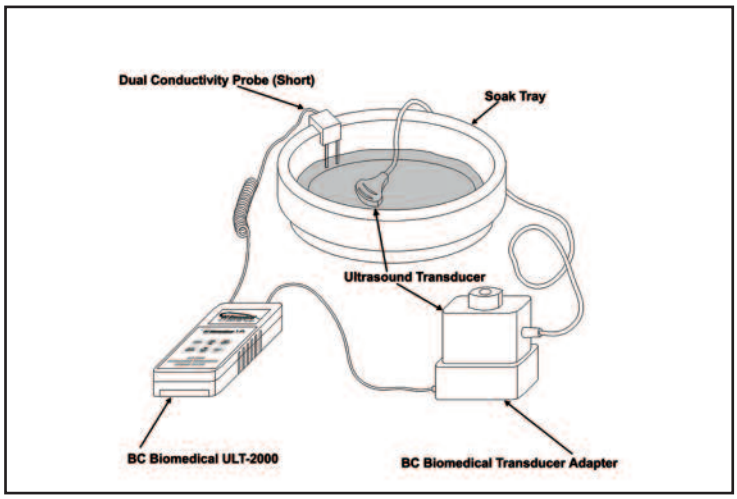
SA-2010 Layout


3 Neon indicators for Power Receptacle
3.5 digit LCD Display
10 Universal Patient Lead Connectors
Chassis & External Connectors
Unit Indicators: Volts, amps, µAmps and ohms
Fuse Access
Test Point Snaps
Function indicators w/two light touch arrow keys for easy selection: Mains Voltage Device Under Test Current Earth Resistance Lead-to-Earth Resistance Lead-to-Lead Resistance Lead Isolation Leakage External Leakage
LED indicators for 10 Patient Lead inputs w/two light touch arrow keys for selection
Load Selection indicator & key: AAMI & IEC
ISO Test indicator & key
15/20 AMP Receptacle for DUT power cord
Analyzer Test Receptacle Control indicators & keys

Model Price (ea)	SA-2000 $630/$755-R	SA-2001 $860/$985-R	SA-2005 $1135/$1260-R	SA-2010 $1350/$1475-R	SA-2010S $1575/$1700-R
Load Current	No	Yes	Yes	Yes	Yes
Ground Resistance	Yes	Yes	Yes	Yes	Yes
Chassis Leakage Current	Yes	Yes	Yes	Yes	Yes
Earth Leakage Current	Yes	Yes	Yes	Yes	Yes
Patient Lead Testing	No	No	Yes	Yes	Yes
RS232 -R	-R Optional	-R Optional	-R Optional	-R Optional	-R Optional
Lead Isolation	No	No	Yes	Yes	Yes
AAMI & IEC Loads	AAMI Only	Yes	Yes	Yes	Yes
ECG Simulation	No	No	No	No	Yes
Line Voltage	No	Yes	Yes	Yes	Yes
External Fuse Access	Yes	Yes	Yes	Yes	Yes
Voltage Range 90 to 264V	Yes	Yes	Yes	Yes	Yes
Size	8.7” x 5.7” x 1.9”	8.7” x 5.7” x 1.9”	8.7” x 5.7” x 2.4”	8.7” x 5.5” x 2.4”	8.7” x 5.7” x 2.4”



Typical Test Setup for Testing Your Ultrasound Transducers with a Transducer-Specific Adapter & a Soak Tray.



BC Biomedical International Safety Analyzer Series

The SA-2000-INTL Series is ideal for those needing a power cord that can be selected to meet their international power needs. One power cord is included with purchase. Additional power cords can be purchased at any time.

SA-2000-INTL Base International Unit Model **$730**
A. **SA-2001-INTL** Base Plus Point-to-Point and Voltage **$960**
SA-2005-INTL 5 Test Lead Model **$1235**
SA-2010-INTL 10 Test Lead Model **$1450**
SA-2010S-INTL SA-2010-INTL w/built-in ECG Sim. . **$1675**

- **Additional Power Cords** (each) **$58**
- **RS232 -R Option** **$125**

Flip for more info on this series - Pages 3-4

Safety Analyzer Cables

B. BC20-20100 BC Biomedical Kelvin Cable (DNI Type)
- Will fit the following DNI/Fluke Biomedical models: 231, 232, 234, 235, 431, 432, u-Test2000 & all model medTesters **$130**

C. BC20-20110 BC Biomedical Chassis (black) Cable (BC Biomedical/Dale Technology® Type) **$85**
D. BC20-20111 BC Biomedical External (red) Cable (BC Biomedical/Dale Technology® Type) **$85**
BC20-20115 BC Biomedical Kelvin Cable (BCB Type). . **$105**

E. BC Biomedical CS-2000 Series

The CS-2000 is a 1 amp current source series for testing to IEC 601 specs where a 1 amp source current is required.

CS-2000-E 220 V (European Version) **$860**
CS-2000-U 110 V (U.S. Version) **$750**

F. BC Biomedical ULT-2000 TEE Tester Series

The ULT-2000 Series is designed to test the electrical safety of all types of diagnostic ultrasound transducers, totally independent of the ultrasound machine. Both models include PC Utility software and Battery Eliminator.

ULT-2010 Base Model **$950**
ULT-2020 Base Plus Meter Mode and Datalogging **$1095**

Optional Accessories:

- **ULT-PC-10** Dual Conductivity Probe (Short) **$310**
- **ULT-PC-15** Dual Conductivity Probe (Medium) **$380**
- **ULT-PC-20** Dual Conductivity Probe Set (Long & Short)**$450**
- **BC20-42200** Cidex® Compatible Tray (20”). **$295**
- **BC20-42310** 5 Rolls of Printer Paper **$20**
- **BC20-42321** Printer Cable **$100**
- **BC20-41361** RS232 Communication Cable, USB(A)M to Mini DIN Male **$125**
- **BC20-41337** RS232 Communication Cable **$105**
- **BC20-41339** USB to RS232 Adapter **$110**
- **BC20-42330 ULT Print Kit Includes** **$750**
  - *BC20-30107 Medium Soft Sided Carrying Case*
  - *BC20-42321 Printer Cable*
  - *BC20-42310 5 Rolls of Printer Paper*
  - *BC20-42300 External Printer*
- **BC20-42331 ULT Kit Includes** **$255**
  - *BC20-30106 Carrying Case*
  - *BC20-41337 RS232 Communication Cable*
  - *BC20-41339 USB to RS232 Adapter*

Flip for more info on this series - Pages 39-44

Ultrasound Transducer Adapters (use with ULT-2000 Series)

ULT-PA-10 Acuson/Siemens 8V5,15L8W,V5M,3V2C. **$453**
ULT-PA-11 Sonsonite Transducers, including TEE . . **$453**
ULT-PA-12 Acuson/Siemens 260-PIN **$950**
ULT-PA-13 Acuson/Siemens 156-PIN,V510B, ... **$638**
ULT-PA-14 ATL/Philips C9-5 Curved Array, ... **$950**
G. **ULT-PA-16** GE LogicQ and GE P9603AU. **$950**
ULT-PA-17 Philips/ATL iE33 and iU22 . . . . . **$950**
ULT-PA-18 Philips/HP 4500, Sonos 5500/7500 . . . . **$446**
H. **ULT-PA-19** Philips CX50 Laptop Platform Only. **$995**
ULT-PA-20 Toshiba PVF Series, 2B701-753E **$638**
ULT-PA-21 Hitachi EUP-ES52M, EUP-Series Probes**$950**
ULT-PA-22 Aloka SSD-620, SSD-650 . . . . . **$950**
ULT-PA-24 Philips/ATL 256-pin, w/belled housing **$950**
ULT-PA-25 GE LogiqBook Laptop platform transducers . **$995**
ULT-PA-27 GE YMS/RT use with YMS/RT transducers . **$638**
ULT-PA-28 Guse with GE/CGR Radius and GE SONO Transducers **$638**
ULT-PA-29 Zonare Medical Systems **$700**

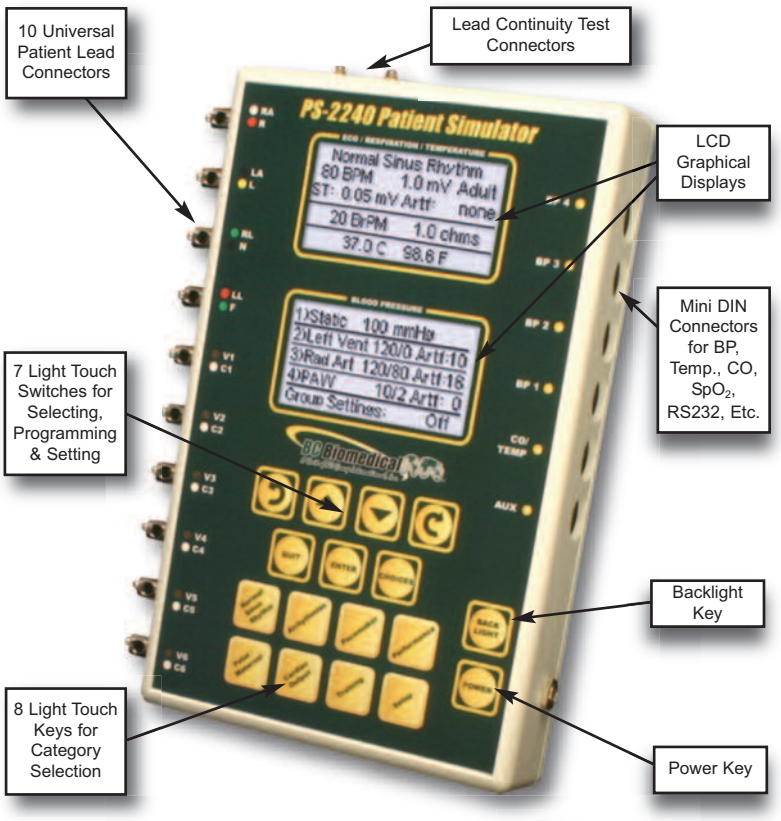
BC Biomedical Patient Simulator Series

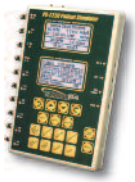
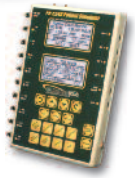
This Multi-Parameter Patient Simulator Series is the most comprehensive, easy to use family of Simulators on the market. These portable Simulators are intuitive to use since there are NO MORE CODES to enter. The simple scroll control of options make them the best choice for your routine PM of patient monitoring systems and arrhythmia recognition training needs. The SpO_2 simulation option makes this series a truly unique and versatile tool.

- Invasive Blood Pressure/ECG/Respiration/Temp.
- Drop down choice screens list all options for parameters
- Special power up feature allows the user to choose to use default, last or custom settings
- Auto sequences for BPM, static-pressure levels and performance
- 10 universal patient lead connectors (Extra space between posts for the largest connectors)
- Mini DIN connectors compatible with standard BP cables (Optional Mini DIN-M to DIN-F cable adapter **BC20-40736** available for older style large DIN cables)
- % Battery life display and low battery indicator
- Powered by two 9V batteries or optional battery eliminator
- Display backlight
- Full remote operation via RS232
- Flash programmable for upgrades
- SpO_2, Cardiac Output and Fetal/Maternal options
- Special programmable training modes
- All BP Waveforms available on all BP Channels
- **BC Biomedical PSR-2200 Remote available** ***(page D)***
- BC20-30107 Optional Medium Soft Carrying Case. **$65**

Flip for more info on this series - Pages 5-10

PS-2240 Layout


10 Universal Patient Lead Connectors
Lead Continuity Test Connectors
LCD Graphical Displays
Mini DIN Connectors for BP, Temp., CO, SpO_2, RS232, Etc.
7 Light Touch Switches for Selecting, Programming & Setting
Backlight Key
8 Light Touch Keys for Category Selection
Power Key
PS-2240 Patient Simulator

Model Price (ea)	PS-2105 $895	PS-2110 $995	PS-2210 $1495	PS-2220 $1695	PS-2240 $1895
ECG Rates	17	7	17	17	17
ECG Perf. Waveforms	12	11	12	12	12
Pacemaker	Yes	No	Yes	Yes	Yes
Arrhythmias	49	12	49	49	49
Respiration	No	Yes	Yes	Yes	Yes
BP Channels	No	1	1	2	4
Temperature	No	Yes	Yes	Yes	Yes
Remote Compatible	No	RS232	← w/BC Biomedical PSR-2200 (See Page D for More Info) →		
SpO_2 Simulation	← w/BC Biomedical MSP-2100 & BC Biomedical FingerSim™ (See Page J for More Info) →				
Fetal / Maternal	No	Yes	← FM Option (Add $450) BC20-02300 →		
Cardiac Output	No	No	← CO Option (Add $450) BC20-02400 →		
Training Mode	Yes	No	Yes	Yes	Yes
Size / Weight	8.6" x 5.5" x 1.6"/<2Lbs	8.6" x 5.5" x 1.6"/<2Lbs	8.6" x 5.5" x 1.6"/<2Lbs	8.6" x 5.5" x 1.6"/<2Lbs	8.6" x 5.5" x 1.6"/<2Lbs

A

B

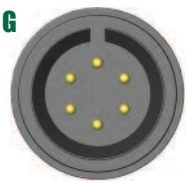
C

D

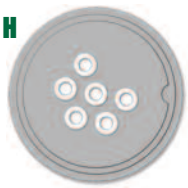
E

F

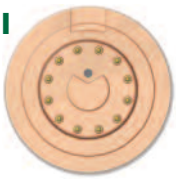
G



H



I

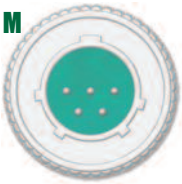


J

K

L

M



N

BC Biomedical ECG Simulator Series

Microprocessor based ECG Simulators. Provides ECG Simulation with four waveforms with constant QRS duration and six machine performance testing waveforms.

A. **PS-2005** 5 Test Lead Model **$350**
B. **PS-2006** 6 Test Lead Model **$370**
C. **PS-2010** 10 Test Lead Model . . . . . **$455** CE

Flip for more info on this series - Pages 5-6

D. BC Biomedical Patient Simulator Remote PSR-2200 . . . $695

How would you like to have all of your Patient Simulator's outputs available to you on a handheld, easy-to-use remote control, up to 25' away from your Simulator? The PSR-2200 Programmable Patient Simulator Remote Control with Trending Capability brings an unprecedented level of functionality and ease of use to Patient Simulator remote control. There's nothing else on the market that even comes close to this one.

Flip for more info on this item - Pages 11-12

MicroSim Cardiac Output Simulator 1111 . . . Call for Pricing

• Four Blood flow rates (3,5,6 &7 L/min.) • Compact
• Two Blood temps (37 & 38 °C) • Dual injectile temps (0 &20 °C)

Optional Accessories:

- **1101** Baxter/Edwards Cable . . . . . **Call for Pricing**
- **1103** HP Merlin Cable . . . . . **Call for Pricing**
- **1106** Marquette Cable. . . . . **Call for Pricing**
- Other Cables Needed? . . . . . **Call for Pricing**

E. Universal Banana-to-Snap/ECG Adapters BC20-17024 . . . . $260

• Set of 10 Adapters • Accepts 3 & 4 mm ECG Leads

F. Banana-to-Snap/ECG Adapters BC20-17025 . . . . . $55

• Set of 10 Adapters • Accepts **only** 3 mm ECG Leads

Blood Pressure Cables - Mini DIN Style (for PS Series)

BC20-40736 Adapter Cable Large to Mini DIN. **$50**
BC20-40737 Adapter Cable Mini to Large DIN. **$50**
G. **BC20-41301** TK-1 (6M) BCI International, Criticare, Critikon-Dynamap Plus, Invivo Research, Physio-Control, Protocol Systems, SpaceLabs 1050, 1700, PCMS, Tektronix-Squip. **$130**
H. **BC20-41308** Datascope -DS-1 (All) (6F) **$150**
I. **BC20-41311** Fukuda Denshi- FD-2 DS3300 (12M) . **$130**
J. **BC20-41314** Hewlett Packard\Philips HP-3, 78-300,-500, -800 Merlin/Viridia (12m 5uV) **$130**
K. **BC20-41319** Marquette Medical- MQ-2, 7000/Tram (9F round) **$130**
L. **BC20-41320** Marquette Medical- MQ-3, Eagle, Tram Scope (11M rectangle) **$150**
M. **BC20-41324** Nihon Kohden-NK-1(5M) **$130**
N. **BC20-41331** SpaceLabs-SL-1, ALPHA/703R, (5M) . **$140**

Communication Cables (for PS Series)

BC20-41337 RS232 Communication Cable **$110**
BC20-41339 USB to RS232 Adapter **$110**
BC20-41361 RS232 Communication Cable, USB(A)M to Mini DIN Male **$125**

Temperature Cables (for PS Series)

BC20-41333 UT-1 YSI-400 . . . . . **$85**
BC20-41334 UT-2 YSI-700 . . . . . **$85**

Turn to Page EE to View More Cables or visit www.bcgroupintl.com for more info

BC Biomedical Defibrillator Analyzer Series

DA-2006 . . . . . **$2150**
A defibrillator analyzer developed for testing all external defibrillators. The unit may operate as a powerful stand alone device or may be incorporated into an automated PC-based and remotely controlled device. Includes: user manual, internal paddle adapters, protective plates and battery eliminator.

A. DA-2006P **$3995**
A precision instrument for testing defibrillators and external (transcutaneous) pacemakers. The built-in test procedures and extensive resistance loads for pacer testing make the DA-2006P a versatile test instrument and solid value. Includes: user manual, internal paddle adapters, protective plates and battery eliminator.

Optional Accessories:

- **BC20-00427** Plastic Protective Plates (Set Included). **$22**
- **BC20-00432** Internal Paddle Adapters (Set Included). **$42**
- **BC20-41341** Communication Cable **$90**
- **BC20-41339** Communication Cable Adapter **$110**
- **BC20-30108** Soft Carrying Case **$100**

Flip for more info on this series - Pages 13-14

Defib & Pace Adapters (for DA-2006 & DA-2006P)

B. **BC20-00420** PhysioControl - Defib/Pace **$130**
BC20-00421 Marquette - Defib/Pace **$275**
BC20-00423 Cable, Defib/Pacer Zoll **$130**
BC20-00426 Cable, Defib/Pacer HP/Agilent (Old Style barrel connector) **$120**
BC20-00433 Cable, Defib/Pacer Test Philips (New Style) **$130**
BC20-00434 Cable, Defib/Pacer Test Cardiac Science **$130**

C. DA-CS-06 . . . . . **$5000**
A PC based defibrillator analyzer test system for users who wish to verify the calibration of their analyzers.

Our unique DA-CS-06 Defibrillator Analyzer Calibration Standard system is available to qualified customers that have a need for a defibrillator output energy standard to be used in the calibration of their analyzers, regardless of manufacturer or model. The DA-CS-06 was originally developed to be used in the calibration of our own DA-2006 and DA-2006P analyzers.

D. PMT-2000 External Pacer Tester & Analyzer w/Case. **Call**
Evaluating and testing all Atrial/Ventricular Pacemakers including Transthoracic Pacers. Does not adequate to test the Medtronic 5348 and 5388 Pacers

E. BC Biomedical ESU-2000A ESU Analyzer with Kit . . **$2350**

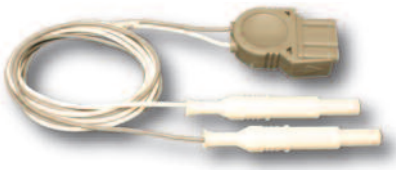
Optional Accessories:

F. **BC20-00120** Replacement Accessory Kit **$130**
- **BC20-30108** Soft Carrying Case. **$100**

Check out how the DA-2006 series makes auto sequencing easy to do on page 16

A

B



C

D

E

F

G

H

I

J

K

(Shown w/Optional Adapters)

G. BC Biomedical ESU-2300 ESU Analyzer with Kit . . . $4195

- True RMS Readings Using DFA® Technology
- Performs Output, RF Leakage and CQM tests
- 15 Selectable Loads from 50 to 750 ohms
- Built-In RF Current Transformer • Crest Factor
- External Load Resistor Capability

Replacement and Optional Accessories:

- **BC20-00125** Replacement Accessory Kit **$410**
- **BC20-21105** Universal Power Supply (Power cord not included see page HH) **$68**
- **BC20-41341** Communication Cable (DB9F to DB9M). **$90**
- **BC20-41352** Communication Cable (USB) **$22**

Flip for more info on this series - Pages 21-22

H. BC Biomedical ESU-2050 ESU Analyzer $4695

- True RMS Readings Using DFA® Technology
- mV, mV Peak, mA, Crest Factor and Wattage Displays
- Waveform Capture, Storage, Display and Download

BC Biomedical ESU-2050P ESU Analyzer $5095

- Same As ESU-2050 Plus Pulse Mode

Replacement Accessories:

- **BC20-21104** Universal Power Supply **$68**
- **BC20-41341** Comm. Cable (RS232) **$90**
- **BC20-41352** Comm. Cable (USB). **$25**
- **BC20-00232** Cable, CT (3' BNC to BNC) **$55**
- **BC20-00126** Accessory Kit **$410**

Flip for more info on this series - Pages 23-24

Optional ESU-2050 Series Accessories

I. Pearson CT (for ESU-2050 Only)

- **BC20-00230** 4100 Pearson CT 1:1 . . . . . **$535**
- **BC20-00231** 411 Pearson CT 0.1:1. . . . . **$535**
- **CT Calibration**. **$115**

J. CQM (for ESU-2050 Only)

CQM-2000 *(REM/ARM/CQM Test Module)* **$295**

K. Vishay-Dale NH-250 Precision Power Resistors & Adapters

• 250 W • 1% Tolerance Non-Inductive

BC20-00200 5 Ω	**$125**	**BC20-00211** 3000 Ω .	**$125**
BC20-00201 10 Ω	**$125**	**BC20-00212** 4000 Ω .	**$125**
BC20-00202 20 Ω	**$125**	**BC20-00213** 5000 Ω .	**$125**
BC20-00203 30 Ω	**$125**	**BC20-00214** 1 Ω*(50W)* .	**$25**
BC20-00204 50 Ω	**$125**	**BC20-00215** 125 Ω . .	**$200**
BC20-00205 100 Ω	**$125**	**BC20-00216** 150 Ω . .	**$200**
BC20-00206 200 Ω	**$125**	**BC20-00217** 400 Ω . .	**$200**
BC20-00207 300 Ω	**$125**	**BC20-00218** 800 Ω . .	**$200**
BC20-00208 500 Ω	**$125**	**BC20-00219** 1500 Ω .	**$200**
BC20-00209 1000 Ω . . .	**$125**	**BC20-00220** 10 Ω*(50W)*	**$25**
BC20-00210 2000 Ω . . .	**$125**		

BC20-00240 Power Resistor Banana Jack Adapter Set (2) . . **$22**

- **Calibration for each resistor**. **$20**

Resistor Sets

BC20-00251 Valleylab Force2 Performance Check Set *(100 & 300 Ω)*. **$225**

BC20-00252 Valleylab Force2 Calibration Set *(1, 50, 100, 200, 300, 1000, 3000, 4000 Ω)* **$800**

BC20-00253 Valleylab ForceFX Performance Check Set *(100, 200, 300, 500 Ω)* **$450**

BC20-00254 Valleylab ForceFX Calibration Set *(10,20, 100, 200, 300, 500, 1000, 2000, 3000 Ω)* **$1000**

BC20-00255 ForceTriad Performance Check Set *(100, 300, 500 Ω)*. **$335**

BC20-00256 ForceTriad Calibration Set *(5, 10, 20, 30, 50, 100, 200, 300, 500, 1000, 2000, 5000 Ω)* **$1350**

BC20-00257 Valleylab ForceTriad *(special debug mode) (20, 100, 200, 300, 1000, 5000 Ω)* **$675**

BC20-00258 Complete Set for Valleylab Generators **$1850**

- **Calibration for each resistor**. **$20**

A. BC Biomedical ESU-2400 ESU Analyzer with Kit . . . $9295

The ESU-2400 represents a totally new standard in full-featured electrosurgery analyzers, with features that have never been seen before.

- True RMS Readings Using DFA® Technology
- Performs Output, RF Leakage, CQM, and Power Load Curve Tests
- Autosequences Capability
- External Load Resistor Capability
- Calibration Level Accuracy
- 1 to 6400 ohms in 1 ohm increments

Flip for more info on this series - Pages 25-26

B. BC Biomedical TRL-2420 TISSUE RESPONSE LOAD . . . $495

The TRL-2420 is an accessory to the BC Biomedical ESU-2400 that is used to simulate the effect of changing tissue impedance during electrosurgery. The TRL-2420 contains two incandescent bulbs that are silicone coated for safety. As RF energy from the ESU generator (DUT) is applied to the bulbs, the impedance of the bulb changes, simulating the impedance change of tissue.

Some RF generators have special output modes that detect the change of tissue impedance and automatically turn off the RF output when the change in impedance is detected. The ESU-2400 measures the current at the time when the RF output is turned off.

Replacement Accessories:

C. • **BC20-00130** Accessory Kit **$290**
• **BC20-21107** 100-240 V Universal Power Supply **$125**

D. • **BC20-00131** ForceTriad™ PM Kit **$435**

Contains everything you need to perform the newly revised ForceTriad™ PM procedure:

- External 200 Ohm load and REM cable for Cross Coupling Tests
- Footswitch Adapter for UFP Port Tests
- Bipolar Cable for Autobipolar Tests
- Convenient Carrying Case

The latest ESU-2400 update includes an Autosequence for running the new PM procedure. The Autosequences uses the accessory kit to guide the operator through more than 100 steps that are in the new PM test procedure.

- **BC20-41360** Cable, Communication USB Null Modem **$125**
- **BC20-41361** Cable, Communication USB Null Modem (ESU-2400) **$125**

E. • **BC20-03004** Foot Switch Simulator, triggers Cut/Coag/ Bipolar on Covidien Force FX™/ForceTriad™ . . **$410**

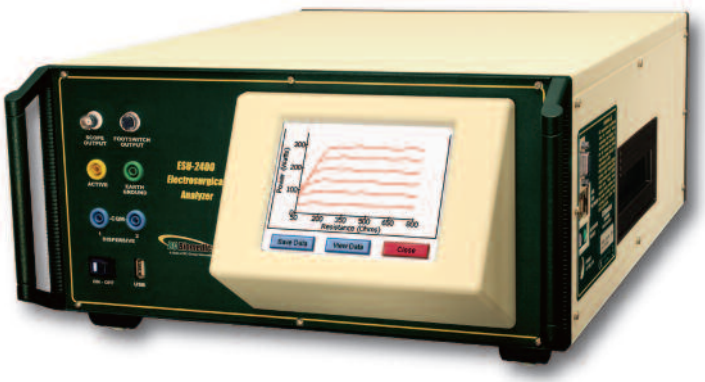
BC Biomedical Foot Switch Cable for ESU-2400

- **BC20-03000** Unterminated Foot Switch Cable **$215**
- **BC20-03001** Force FX™ Foot Switch Cable **$410**
- **BC20-03002** Conmed Foot Switch Cable **$410**
- **BC20-03003** Covidien ForceTriad™ Foot Switch Cable **$410**

For the ESU-2400 Electrosurgical Analyzer Updates visit:

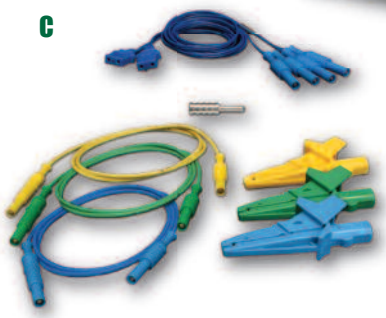
http://www.bcgroupintl.com/ESU_2400/ESU_2400_Videos.htm

A



B

C



D

E

A

B

C

D

A. MicroMed MM-5kV Portable Electrosurgical Instrument Insulation Detector $1550

McGan Technology's MicroMed MM-5kV electrosurgical insulation defect detector is a compact, hand held, battery operated device. The MM-5kV may prevent inadvertent burns and external skin injury which can occur during electrosurgical procedures. Electrosurgical instruments may have defects (pinholes) in the insulation - electrosurgical instrument insulation failure. Insulation failure happens over time, through normal surgical use. The insulation failure provides an alternate pathway for the current to leave the instrument's electrode and can result in a burn. Using an electrosurgical test equipment maintenance program can greatly reduce the number of inadvertent burns during electrosurgical procedures.

Application: in Facilities that do not use a large number of ESIs over a short period of time

- Light weight portable unit
- Reusable / Interchangeable Brush or Ring electrode
- Simple operation, easy to read LCD display
- Maintains applied test voltage with constant current source
- Full test current at low voltages
- Limited Output current for operator safety
- LED displays alarm and battery charge

Accessories:

- Ground (Green) wire with Alligator clip
- Ring and Brush Electrode

B. MicroMed PD-8K Portable Electrosurgical Instrument Insulation Detector $2686

McGan McGan Technology's MicroMed PD-8K electrosurgical insulation defect detector is a portable, battery operated device. It is used to detect and locate defects such as pinholes and cracks in protective coatings applied over conductive instrument's (ESI) surfaces.

Application: in Facilities that use a large number of ESIs over a short period of time

- Operational during battery re-charging
- Simple operation, easy to read LCD display
- Multiple alarms to indicate failure
- Maintains applied test voltage with constant current source
- Limited output current for operator safety
- Regulated DC output, adjustable from 0 to 8 kV
- LCD displays provides voltage and battery charge indication

Accessories:

- Ground (Green) wire with Alligator clip and Green port
- Ring and brush electrode
- HV (Red) wire

Optional Accessories for A or B:

C. • MMTRI-0022A Tri-Hole Electrode **$110**
- MMWTU-0031 Wire continuity testing unit **$68**

D. • MMRTF-0045 RTF Test Station **$310**

Optional Accessories for A:

- MMRWP-0006 HV Red wire with mini-handle . . **$115**
- 5VEBP-0016 External rechargeable battery pack **$525**
- 5VACA-0015 110 volt AC Charger **$88**

BC Biomedical NIBP-1000 Simulator Series

The NIBP-1000 Series is a new Family of high quality, low cost, high function Microprocessor based NIBP Simulators. They were designed to meet the demand for a small, easy to use unit with a multitude of features to fit your exact needs.
All NIBP-1000's come with a universal AC adapter

A. NIBP-1010 (NIBP Only) **$1195**
- Full Range Manometer • Flash Programmable
- Back Light
- Adult, Neonatal and Hypertensive modes
- Full Graphical Display • RS232
- SpO_2 Ready - Compatible w/**MSP-2100** Module (Page **20**)
- Includes One Free Adapter of Your Choice (If none specified, **BC20-40716** will be sent)

Optional Features:
- **-P** Peak Pressure Detect **$100**
- **-BP** Peak Detect & Battery (Built-in Rechargeable) **$425**

NIBP-1010KIT (NIBP only) **$1795**
Includes NIBP-1010-BP, Soft Carrying Case & Five Adapters

B. NIBP-1020 (NIBP, ECG Pace & Resp) **$1395**
Has all of the NIBP-1010 features plus: • Pace • Respiration • ECG - NSR • ECG - Test waveforms • Back Light
- Includes One Free Adapter of Your Choice (If none specified, **BC20-40716** will be sent)

Optional Features:
- **-PA** Peak Pressure Detect & Alarm **$100**
- **-BPA** Peak Detect, Alarm & Battery (Built-in Rechargeable) **$425**

NIBP-1020KIT (NIBP, ECG Pace & Resp) **$1995**
Includes NIBP-1020-BPA, Soft Carrying Case & Five Adapters

NIBP-1030 . . . . . **$1995**
Has all of the NIBP-1020 features plus: • IBP • Temp • Arrhythmia • Leak Detect • Back Light
- Includes One Free Adapter of Your Choice (*If none specified, **BC20-40716** will be sent*)

Optional Feature:
- **-B** Built-in Rechargeable Battery **$400**

NIBP-1030KIT **$2495**
Includes NIBP-1030-B, Soft Carrying Case, & Five Adapters

C. NIBP-1030-BE **$2495**
Add Extended Patient Lead Connectors

NIBP-1030KIT-E **$2595**
Includes NIBP-1030-BE, Soft Carrying Case, & Five Adapters

Optional Accessories for NIBP-1000 Series:
- **BC20-30111** Soft Carrying Case **$50**
- **BC20-41337** RS232 Communication Cable. **$110**
- **BC20-41361** RS232 Communication Cable, USB(A)M to Mini DIN Male **$125**
- **D. BC20-40714** DINAMAP/Critikon Adapter **$40**
- **E. BC20-40715** Quick Disconnect Adapter **$40**
- **F. BC20-40716** Luer Adapter **$40**
- **G. BC20-40717** Marquette Adapter **$40**
- **H. BC20-40608** Bulb Adapter **$40**
- **BC20-41339** USB to RS232 Adapter **$110**
- Invasive Blood Pressure Cables can be found on page Y

Flip for more info on this series - Pages 17-20

NIBP Adapter Kit BC20-40605 . . . . . **$80**
Connector kit for NIBP testers. Save time and money by buying this kit. Includes 11 connectors, pictured and identified on page DD, letter C.

A

B

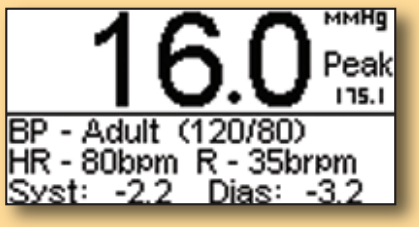
C

Sample Adapter

D E F G

H

The NIBP-1000 series offers the user the ability to adjust Systolic and Diastolic offsets to match OEM differences.



J

K

L

M

(FingerSim™ not included)

N

O

BC Biomedical FingerSim™

Provides SpO_2 outputs of 80, 90 & 97%. Simply squeeze on the FingerSim™ to generate a "pulse" or include a calibrated pulse rate by adding the SPO-2000 or the MSP-2100.

J. Starter Kit (includes: 3 FingerSims™: 80, 90 & 97%, FingerSim™ Holder, Carrying Case & User Manual) . **$315**
K. Replacement Set (80, 90 & 97% FingerSims™ only)**$265**

Flip for more info on this product - Pages 35-36

L. BC Biomedical SPO-2000 Pulse Oximeter Module . . $720

- 30, 60, 90, 120, 150 & 180 BPM Pulse Rates
- Requires BC Biomedical FingerSim™ to provide SpO_2 outputs of 80, 90 & 97%
- AC Adapter • Compact & cost-effective
- Maintenance-free

Optional Accessory:
- **BC20-40110** Hard Carrying Case for SPO-2000, FingerSims™ & Accessories. **$85**

Flip for more info on this product - Pages 35-36

M. BC Biomedical MSP-2100 Pulse Oximeter Module

- Requires BC Biomedical FingerSims™ and one of the following simulators: PS-2100, PS-2200 or NIBP-1000 to provide SpO_2 outputs of 80, 90 & 97%
- Powered by Aux port

MSP-2100 . . . . . **$405**

Flip for more info on this product - Pages 35-36

N. Nellcor SRC-MAX Pocket Tester Series

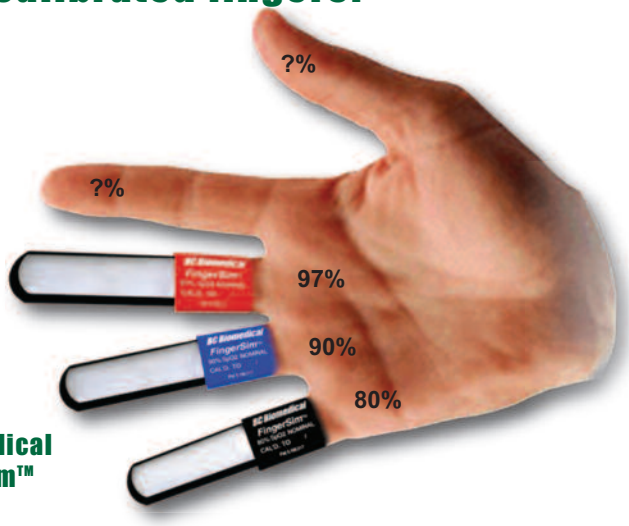
The SRC-MAX is intended for qualified technicians to functionally test Nellcor OXIMAX technology-based pulse oximeters and OEM OXIMAX technology-based monitors.

SRC-MAX (Basic Model). **$650**

O. Nellcor SRC-2 Pocket Tester **$650**

Quickly and conveniently tests most of the Nellcor oximeters.

Wouldn't it be nice to have calibrated fingers?



BC Biomedical FingerSim™

BC Biomedical IPA-1000 System

The IPA-1000 Infusion Pump Analyzer System is a Microprocessor based system that tests flow rates.

BC10-03103 Includes IPA-1000 plus one 3.5 mL Chamber & one Interconnect cable. **$1645**

BC10-03104 Includes IPA-1000 plus one 35 mL Chamber & one Interconnect cable. **$1645**

BC10-03105 Includes IPA-1000 plus two 3.5 mL Chambers & two Interconnect cables **$1995**

BC10-03106 Includes IPA-1000 plus two 35 mL Chambers & two Interconnect cables **$1995**

A. BC10-03107 Includes IPA-1000 plus one 3.5 mL Chamber, one 35 mL Chamber & two Interconnect cables . . . **$1995**

Individual Components:

- **IPA-1000** Infusion Pump Analyzer Display **$1230**
- **MC3.5-1000** 3.5 mL Chamber **$445**
- **MC35-1000** 35 mL Chamber **$445**

Optional Accessories:

- **BC20-30109** Soft Carrying Case **$120**
- **BC20-40607** IPA-1000 Interconnect Cable **$30**
- **BC20-21110** Universal Battery Eliminator **$52**

Flip for more info on this series - Pages 37-38

B. Infusion Pump Testing Kit BC20-40606-C $350

This test kit contains the necessary components to manually perform the most basic Infusion Pump testing. Includes:

- 500 mL graduated cylinder
- 60 PSI pressure meter for occlusion testing
- Digital stopwatch/timer

C. Extech 475040 Digital Force Gauge $400

Measures push/pull to 176 oz/5000 g

D. Chatillon Pull Scale (IC-100) $245

Measures push/pull to 100 lb x 1 lb

- Easy to Use
- Japanned finish, plated hook and loop
- Precision Steel Springs individually calibrated with certified weights
- Heavy Duty Construction
- Large Avoirdupois Readings
- Accuracy ±1 Graduation
- Metric and Pound Equivalents

Don't forget a carrying case for your equipment

A

B

C

E

F

G

H

I

J

F. BC Biomedical USP-100A Digital Ultrasound Wattmeter . . $2025
A compact, digital and affordable way to test both 1 & 3 MHz therapy ultrasounds. Great size for field service.
- 0.1 to 30.0 Watt range, ± 5% accuracy
- 1 to 10 MHz Frequency response
- 3" Max transducer diameter
- Built-in transducer holder
- Degassed Water Testing medium
- Eight AA Batteries or 120V power
- Size / Weight: 8"x8"x8.75" / 7 lbs
- RS232 Port

G. BC Biomedical USP-50SP Digital Ultrasound Wattmeter . $2395
The USP-50SP, is designed to measure the ultrasound power output of diagnostic or therapeutic transducers up to 30 Watts. The water tank requires only one pint of de-gassed distilled water. If de-gassed water is not available, use distilled water. The principle of measurement is the radiant force method.

H. BC Biomedical USP-30 Ultrasound Wattmeter . . . $1225
Simple yet accurate. Uses a unique "balance beam" apparatus. Turn dial to balance indicator, take a dial reading and multiply by the calibration factor on the USP-30 to calculate Watts.
- Comes with a removable carrying lid
- 1 & 3 MHz Response
- Built-in transducer holder

I. UMA UMR-3D Digital Ultrasound Wattmeter. $3025
From UMA -The people who developed the original soft membrane/water-coupled ultrasound wattmeter. Housed in a rugged metal case.
- 1 & 3 MHz Response • Built-in transducer holder
- Sealed water well • ± 3% Accuracy • Digital readout

Optional Accessories:
- **RS232 Port & Software** (captures data on your PC). **$200**

Ohmic DT Series
Housed in a rugged metal case, both models come with a removable carrying lid.
- Built-in transducer holder • ± 3% Accuracy
- Frequency range: 1 to 10 MHz • Digital readout
- RS232 Capabilities • Size / Weight: 11"x15"x10"/ 22 lbs

DT-1 . . . . . **$4250**
DT-10 . . . . . **$2860**

J. UW6 Ultrasound Wattmeter $3450
The UW 6 Ultrasound Wattmeter is compact, simple to use, portable and ruggedly built. It can be powered by a 9 Volt alkaline battery or by using the AC adapter supplied with the unit. The unit features an auto zero function to help speed up operations. A calibration check weight is provided with the unit making it easy to verify calibration in the field.
- Measurement range 0.1 to 30 Watts
- Input Power Level 0 to 30 W
- Input Frequency 0.5 to 10 MHz
- Resolution 0.1 W
- Dimensions 9" wide x 14 ½" deep
- Height 7 ½" (10 ¾" with Clamp Post)

Educational Assistance Program

BC Group has designed a program to assist schools with Biomedical Training Courses to obtain the latest *BC Biomedical Test Equipment* at a discounted price. A discount will be granted to qualified educational institutions on orders for *BC Biomedical Products*

(when the products are used for instructional purposes).

For more information, contact our St. Charles Sales office via email sales@bcgroupintl.com or phone 888-223-6763

BC Biomedical DPM-2300 Series

The DPM-2300 Series is a Microprocessor based High Precision, High Resolution Digital Pressure Meter family. These meters measure both gas and liquid pressures and provide multiple engineering unit displays for the results. The unit (except the 2350 Series) may have one or two pressure sensors and an optional temperature sensor input to measure pressure and temperature all in one meter.

CE **A. DPM-2301** **$815**
(High Precision Pressure/Vacuum Meter w/enhanced res.)
- MAX and MIN Pressure Value Capture and Storage
- 0.05% FS Pressure Accuracy

Optional Features:
- **-DC** DC Output **$115**
- **Second Pressure Sensor** **$175**
- **Temp Option** (**YSI 700** or **RTD**) **$115**

CE **DPM-2302** **$895**
(adds RS232 Serial Communications)
- Same features and options as the DPM-2301 with the RS232
- 0.05% FS Pressure Accuracy

Optional Features & Accessories:
- **-DC** DC Output **$115**
- **Second Pressure Sensor** **$175**
- **Temp Option** (**YSI 700** or **RTD**) **$115**
- **BC20-21110** Universal Battery Eliminator **$52**
- **BC20-41361** Communication RS232, USB(A)M to Mini DIN Male **$125**
- **BC20-41337** RS232 Communication Cable **$110**
- **BC20-41339** USB to RS232 Adapter **$110**

CE **B. DPM-2351** **$815**
(High Precision Differential Pressure/Vacuum Meter w/enhanced res.)
- MAX and MIN Pressure Value Capture and Storage
- 0.05% FS Pressure Accuracy

Optional Features:
- **-DC** DC Output **$115**
- **Temp Option** (**YSI 700** or **RTD**) **$115**

CE **DPM-2352** **$895**
(adds RS232 Serial Communications)
- Same features and options as the DPM-2351 with the RS232
- 0.05% FS Pressure Accuracy

Optional Features:
- **-DC** DC Output **$115**
- **Temp Option** (**YSI 700** or **RTD**) **$115**

CE **DPM-235175NNFC** **$815**
DPM-23017510NFC **$940**
(for ventilator and anesthesia service applications)

Flip for more info on this product - Pages 29-30

A

B

DPM | 230X | XX | XX | XX | XX

Options
DC = Analog Output
FC = Female Coupler CPC Connectors
MC = Male Insert CPC Connectors

Temperature Sensor
N = Not Applicable
Y7 = YSI 700
R1 = 100 Ω RTD

Pressure Sensor 2 (Port 2 Left)
N = Not Applicable
100 = Max 100 PSI (CPC Connector)
75 = Max 75 PSI (CPC Connector)
10 = Max 10 PSI (Luer Connector)
5 = Max 5 PSI (Luer Connector)
.3 = Max .3 PSI (Luer Connector)

Pressure Sensor 1 (Port 1Right)
N = Not Applicable
100 = Max 100 PSI (CPC Connector)
75 = Max 75 PSI (CPC Connector)
10 = Max 10 PSI (Luer Connector)
5 = Max 5 PSI (Luer Connector)
.3 = Max .3 PSI (Luer Connector)

2300 Series
2301 = Basic Model (Includes Min/Max)
2302 = RS232 Add

Digital Pressure Meter

DPM | 235X | XX | N | XX | XX

Options
DC = DC (Direct Current) Analog Output
FC = Female Quick-Disconnect
MC = Male Quick-Disconnect
Sxx = Special Coupler Configuration, consult factory

Temperature Sensor
N = Not Applicable
Y7 = YSI 700
R1 = 100 Ω RTD

Pressure Range
100 = Max 100 PSI (Default Quick-Disconnect)
75 = Max 75 PSI (Default Quick-Disconnect)
10 = Max 10 PSI (Default Male Luer Lock)
5 = Max 5 PSI (Default Male Luer Lock)
0.3 = Max 0.3 PSI (Default Male Luer Lock)

Model
2351 = Basic Differential Model
2352 = Adds RS232

Note: The FC or MC options are not applicable when the "–Sxx" option is specified.

BC Biomedical™
A UNIT OF BC GROUP INTERNATIONAL, INC.
TO DOWNLOAD ANY USER MANUAL...
VISIT WWW.BCGROUPINTL.COM

C

D

DPM	220X	XX	XX	XX	XX

Options
Blank = Not Applicable
DC = DC (Direct Current) Analog Output
HF = High Frequency DC Analog Output

Temperature Sensor Option
N = Not Applicable
Y7 = YSI 700
R1 = 100 Ω RTD

Pressure Range (Sensor 2)
N = Not Applicable
100 = Max 100 PSI
75 = Max 75 PSI
10 = Max 10 PSI
5 = Max 5 PSI
0.3 = Max 0.3 PSI

Pressure Range (Sensor 1)
100 = Max 100 PSI
75 = Max 75 PSI
10 = Max 10 PSI
5 = Max 5 PSI
0.3 = Max 0.3 PSI

Model
2201 = Basic Model
2202 = Adds Min/Max and RS-232

DPM	225X	XX	N	XX	XX

Options
Blank = Not Applicable
DC = DC (Direct Current) Analog Output
HF = High Frequency DC Analog Output

Temperature Sensor Option
N = Not Applicable
Y7 = YSI 700
R1 = 100Ω RTD

Pressure Range
100 = Max 100 PSI
75 = Max 75 PSI
10 = Max 10 PSI
5 = Max 5 PSI
0.3 = Max 0.3 PSI

Model
2251 = Basic Differential Model
2252 = Adds Min/Max and RS-232

C. BC Biomedical DPM-2200 Series

The DPM-2200 Series is a Microprocessor based Digital Pressure Meter Family. They measure both gas and liquid pressures and provide 13 engineering unit displays for the results. The unit (except the 2250 Series) can have one or two pressure sensors and an optional temperature sensor input to measure pressure and temperature all in one meter.

DPM-2201 (Pressure, Vacuum) **$765**
- One Independent Pressure Range
- Choose Your Pressure Range: 0.*3, 5, 10, 75 or 100 PSI*

DPM-2202 (Min and Max, RS232) **$835**

Optional Features:
- **-DC** DC Output **$115**
- **-HF** High Frequency Output **$225**
- **Second Pressure Sensor** **$175**
- **Temp Option** (**YSI 700** or **RTD**) **$115**

DPM-2251 (Differential Pressure, Vacuum) **$765**
- Choose Your Pressure Range: .*3, 5, 10, 75 or 100 PSI*

DPM-2252 (Min and Max, RS232) **$835**

Optional Features:
- **-DC** DC Output **$115**
- **-HF** High Frequency Output **$225**
- **Temp Option** (**YSI 700** or **RTD**) **$115**

Flip for more info on this product - Pages 31-32

Eye Surgery Equipment USERS PLEASE NOTE:
Recommended part number for DPM Pressure Meter when servicing the Eye Surgery Equipment

DPM-220210010NHF **$1185**
- 100 PSI-10 PSI-No Temp-HF output

D. BC Biomedical DPM-2000 Series

This Microprocessor based Family of Pressure/Vacuum Meters offers positive and negative pressure and is fully compatible with liquids and gases. The DPM-2001PLUS adds Capture and RS232 capabilities to the DPM-2001 Base Model. While the DPM-2100 adds Temperature to the DPM-2001PLUS Model. All Models allow Selectable Engineering Units, including: PSI, MmHg, InH_2O or CmH_2O.

DPM-2001 (Pressure, Vacuum) **$715**
- Pressure to 100 PSI
- Vacuum to –13.50 PSI

DPM-2001PLUS **$815**
- Same features and options as the DPM-2001 with the addition of MIN/MAX Capture and RS232

DPM-2100 . . . . . **$915**
- Same features and options as the DPM-2001PLUS with the addition of Temperature capabilities to be used with any YSI 700 probe.

Flip for more info on this product - Pages 33-34

Optional Accessories for BC Biomedical DPM Family

- **BC20-21110** Battery Eliminator - 9VDC **$52**
- **BC20-30106** Soft Carrying Case **$45**
- **BC20-01006** YSI 700 Temp Probe **$136**
- **BC20-21102** RS232 Communications Cable **$90**
- **BC20-41337** RS232 Communications Cable **$110**
- **BC20-41361** RS232 Communication Cable, USB(A)M to Mini DIN Male **$125**

E. Universal Manometer Adapter Kit BC20-01005 . . . . **$110**

Everything you need to connect a pressure meter, regardless of application, all in one small case.
- 25 different fittings: CPC, luer, pipe, barb, etc.
- Inflation bulb with valve • Tygon tubing & more

A. Meriam M1 Smart Manometers

M100 Digital Manometer: ±0.25% FS

Model	Type	Range	Price
M100-2	DN0028	0 to 28" H_20 Differential	$428
M100-7	DN0138	0 to 138" H_20 Differential	$428
M100-8	DN0416	0 to 416" H_20 Differential	$428
M100-9	DN0832	0 to 832" H_20 Differential	$428
M100-10	DN2000	0 to 2000" H_20 Differential	$428
M100-20	GN0005	0 to 5 PSI Gauge	$428
M100-11	GN0015	0 to 15 PSI Gauge	$428
M100-12	GN0030	0 to 30 PSI Gauge	$428
M100-13	GN0050	0 to 50 PSI Gauge	$428
M100-5	GN0100	0 to 100 PSI Gauge	$428
M100-14	AN0775	0 to 775 mmHg Absolute	$453
M100-4	AN1551	0 to 1551 mmHg Absolute	$453
M100-22	AN2585	0 to 2585 mmHg Absolute	$453

M101 Single Function Calibrator ±0.1% FS

Model	Type	Range	Price
M101-2	DN0028	0 to 28" H_20 Differential	$495
M101-7	DN0138	0 to 138" H_20 Differential	$495
M101-8	DN0416	0 to 416" H_20 Differential	$495
M101-9	DN0832	0 to 832" H_20 Differential	$495
M101-10	DN2000	0 to 2000" H_20 Differential	$495
M101-20	GN0005	0 to 5 PSI Gauge	$495
M101-11	GN0015	0 to 15 PSI Gauge	$495
M101-12	GN0030	0 to 30 PSI Gauge	$495
M101-13	GN0050	0 to 50 PSI Gauge	$495
M101-5	GN0100	0 to 100 PSI Gauge	$495
M101-14	AN0775	0 to 775 mmHg Absolute	$523
M101-4	AN1551	0 to 1551 mmHg Absolute	$523
M101-22	AN2585	0 to 2585 mmHg Absolute	$523

- NIST Certificate with Data (Z1065) $86

B. Meriam M2 Smart Manometers

M200LS Lab Standard Smart Manometer: ±0.01% FS

- Prices include NIST Calibration Certificate

Model	Type	Range	Price
M200LS	GI0015	0 to 15.000 PSI Gauge	$1461
M200LS	GI0030	0 to 30.000 PSI Gauge	$1461
M200LS	GI0050	0 to 50.000 PSI Gauge	$1461
M200LS	GI0100	0 to 100.00 PSI Gauge	$1461
M200LS	GI0300	0 to 300.00 PSI Gauge	$1461
M200LS	GI0500	0 to 500.00 PSI Gauge	$1461
M200LS	DN0028	0 to 28.000 in H_20 Differential	$1516
M200LS	DN0200	0 to 200.00 in H_20 Differential	$1406
M200LS	DN2000	0 to 2000.0 in H_20 Differential	$1406
M200LS	AI0017	0 to 900 mmHg Absolute	$1737
M200LS	AI0038	0 to 2000 mmHg Absolute	$1737

M200 Smart Manometer: ±0.05% FS

- Prices include NIST Calibration Certificate

Accuracy Adder: +/- 0.025% FS Base+ $165

Model	Type	Range	Price
M200	DN0010	0 to 10 in H_20 Differential, Non-isolated, (+/- 0.05% FS only)	$1317
M200	DN0028	0 to 28 in H_20 Differential, Non-isolated	$1097
M200	DN0200	0 to 200 in H_20 Differential, Non-isolated	$965
M200	DN0415	0 to 415 in H_20 Differential, Non-isolated	$965
M200	DN2000	0 to 2000 in H_20 Differential, Non-isolated	$965

A

B

C

BC Group Custom Kits

Looking to Standardize on a set of Test Equipment and Tools for your operation? BC Group has the capability to design custom instrument cases and instrument kits as well as manage your entire asset management program.

A

B

C

Model	Type	Range	Price
M200	GI0015	0 to 15 PSI Gauge, Isolated	**$1075**
M200	GI0030	0 to 30 PSI Gauge, Isolated	**$1075**
M200	GI0050	0 to 50 PSI Gauge, Isolated	**$1075**
M200	GI0100	0 to 100 PSI Gauge, Isolated	**$1075**
M200	GI0300	0 to 300 PSI Gauge, Isolated	**$1075**
M200	GI0500	0 to 500 PSI Gauge, Isolated	**$1075**
M200	GI1000	0 to 1000 PSI Gauge, Isolated	**$1075**
M200	GI3000	0 to 3000 PSI Gauge, Isolated	**$1075**
M200	CI0015	-15 to +15 PSI Compound, Isolated	**$1114**
M200	CI0030	-15 to +30 PSI Compound, Isolated	**$1114**
M200	CI0050	-15 to +50 PSI Compound, Isolated	**$1114**
M200	CI0100	-15 to +100 PSI Compound, Isolated	**$1114**
M200	CI0300	-15 to +300 PSI Compound, Isolated	**$1114**
M200	CI0500	-15 to +500 PSI Compound, Isolated	**$1114**
M200	CI1000	-15 to +1000 PSI Compound, Isolated	**$1114**
M200	CI3000	-15 to +3000 PSI Compound, Isolated	**$1114**
M200	AI0017	0 to 17 PSIA Absolute, Isolated (0-900 mmHg)	**$1075**
M200	AI0038	0 to 38 PSIA Absolute, Isolated (0-2000 mmHg)	**$1075**
M200	AI0100	0 to 100 PSIA Absolute, Isolated (0-5200 mmHg)	**$1075**
M200	AI1000	0 to 1000 PSIA Absolute, Isolated (0-5200 mmHg)	**$1075**

C. Meriam MG-F16BN Digital Pressure Gauges

Model	Type	Accuracy	Range	Price
MG-F16BN	9P206-1	±0.25%	-30 inHg to 15 PSIG	**$425**
MG-F16BN	9P206-3	±0.25%	-30 inHg to 100 PSIG	**$425**
MG-F16BN	9P206-5	±0.25%	-30 inHg to 200 PSIG	**$425**
MG-F16BN	9P206-7	±0.25%	0 to 5 PSIG	**$425**
MG-F16BN	9P206-8	±0.1%	0 to 5 PSIG	**$520**
MG-F16BN	9P206-9	±0.25%	0 to 15 PSIG	**$425**
MG-F16BN	9P206-10	±0.1%	0 to 15 PSIG	**$520**
MG-F16BN	9P206-11	±0.25%	0 to 60 PSIG	**$425**
MG-F16BN	9P206-12	±0.1%	0 to 60 PSIG	**$520**
MG-F16BN	9P206-13	±0.25%	0 to 100 PSIG	**$425**
MG-F16BN	9P206-14	±0.1%	0 to 100 PSIG	**$520**
MG-F16BN	9P206-15	±0.25%	0 to 200 PSIG	**$425**
MG-F16BN	9P206-16	±0.1%	0 to 200 PSIG	**$520**
MG-F16BN	9P206-17	±0.25%	0 to 300 PSIG	**$425**
MG-F16BN	9P206-18	±0.1%	0 to 300 PSIG	**$520**
MG-F16BN	9P206-19	±0.25%	0 to 500 PSIG	**$425**
MG-F16BN	9P206-20	±0.1%	0 to 500 PSIG	**$520**
MG-F16BN	9P206-21	±0.25%	0 to 1000 PSIG	**$425**
MG-F16BN	9P206-22	±0.1%	0 to 1000 PSIG	**$520**
MG-F16BN	9P206-23	±0.25%	0 to 2000 PSIG	**$425**
MG-F16BN	9P206-24	±0.1%	0 to 2000 PSIG	**$520**
MG-F16BN	9P206-25	±0.25%	0 to 3000 PSIG	**$425**
MG-F16BN	9P206-26	±0.1%	0 to 3000 PSIG	**$520**
MG-F16BN	9P206-27	±0.25%	0 to 5000 PSIG	**$425**
MG-F16BN	9P206-28	±0.1%	0 to 5000 PSIG	**$520**

- NIST Certificate with Data (Z1065) **$110**

BC Group Asset Management

We can even develop, implement and manage a calibration exchange program for your organization. The flexibility of our system guarantees that we can meet your needs and if you aren't sure what you need our knowledgeable staff will guide you in choosing a system that will work for you.

BCeTEAMS A UNIT OF BC GROUP INTERNATIONAL, INC. Test Equipment Asset Management System

A. Bacharach N_2O Trace Gas Analyzer 3015-4790 . . . $4295

Bacharach's TGA (Trace Gas Analyzer) is an advanced N_2O Analyzer. It uses a highly accurate non-dispersive IR cell providing superior stability and repeatability, with a measurement resolution of 1ppm-full range. It provides measurements in either ppm, real time or elapsed time TWA and it has a leak check mode with audible and visual alarms. It has an internal sampling pump and the self contained purge-air bag provides a constant zero enabling the Analyzer to be used in contaminated environments. The TGA has data-logging capabilities to store up to two hundred tests which can be downloaded to a printer or to a computer.

- Continuous data-logging stores up to two hundred readings
- Time weighted average and elapsed time weighted average
- Real time is also a measurement mode
- Built-in purge cycle using a bladder bag provides a constant zero
- Displays ppm/TWA simultaneously
- Internal pump for remote sampling w/low flow indicator
- Built-in user-activated alarm
- 8 - 12 hours of operation on a full charge
- Rapid detection of changing N_2O Levels
- Maintenance free infrared N_2O sensor
- Two Year Warranty

Optional and Replacement Accessories:

- 3015-3420 Inlet Filters $29
- BC20-30114 TGA Hard Carrying Case $395

A

B. Viasensor G200-00N Nitrous Oxide monitor $3850

Nitrous oxide monitor 0 to 1,000 ppm N_2O with internal pump.

- Includes: battery charger, sample tube/filters, Soda Lime CO_2 removal kit, operating manual and supplied in a Hard Carry Case.

B

C

Viasensor CO_2 Analyzers

CO_2 Analyzer ranges are 0-10,000 ppm, 0-20% and 0-100% and all include internal pumps.

- Accessories Included: Battery Charger - Sample tube - Filters - operating manual.

C. **G100-00N** CO_2, (0-20%) $2275
G100-10N CO_2, (0-20%) 0_2, (0-100%). $2530
G100-01N CO_2, (0-20%) RH Probe 15mm $3135
G100-11N CO_2, (0-20%) 0_2, (0-100%) RH Probe 15mm $3190
G110-00N CO_2, (0-100%) $2145
G110-10N CO_2, (0-100%) 0_2, (0-100%) $2530
G110-01N CO_2, (0-100%) RH Probe 15mm $2850
G110-11N CO_2, (0-100%) 0_2, (0-100%) RH Probe 15mm $3300
G150-00N CO_2, (0-10,000 ppm) $2275
G150-10N CO_2, (0-10,000 ppm) 0_2, (0-100%). $2530
G150-01N CO_2, (0-10,000 ppm) RH Probe 15mm . $2365
G150-11N CO_2, (0-10,000 ppm) 0_2, (0-100%) RH Probe 15mm $3300

- Accessories

G-TP-5 temperature probe $99

D. **G-HCASE** Hard case $160

D

2013-2014 Catalogs Available Online

BC Biomedical Catalog

BC Marketplace Catalog

J. Alnor EBT-731 Electronic Balancing Tool . . . . . $3165 CE

The Alnor EBT 731 Balometer Electronic Balancing Tool features a detachable multi-purpose digital manometer that can be used with a variety of common test and balance tools, such as pitot, air foil, temperature, relative humidity probes or a 16-point velocity matrix. The EBT 731 will become the tool of choice for contractors and facilities personnel because of its ergonomic design and extremely light weight.

- Accessories for the Alnor EBT731

800187 Air Flow Probe **$365**
800218 Temperature Probe **$280**
800219 Temperature/Humidity Probe **$375**
801090 16pnt Velocity Matrix **$385**
801207 1' x 5' and 3' x 3' hood expansion kit **$495**
801206 1' x 4' and 2' x 4' hood expansion kit **$495**

HVAC Thermo-Anemometers

K. The Alnor Velometer® AVM410 Thermal Anemometer

Testing device for the HVAC test & balance professional that features a multipurpose digital manometer, capture hood, relative humidity and temperature probe, Airflow probe, pitot probe, static pressure probes or a velocity matrix (optional).

Alnor AVM410 . . . . . **$635**
Alnor AVM430 . . . . . **$980**

Extech 407123 Handheld units. Measure velocity & temp.
. . . . . **$440**

Environmental Sensors Monitoring Equipment

Z-100 Ethylene Oxide Monitor **$975**
Z-200 Glutaraldehyde Monitor **$975**
L. Z-300 Formaldehyde Monitor **$1175**

Handheld Airborne Particle Counters

M. The TSI AEROTRAK™ 9303

Handheld Particle Counter offers the most features and flexibility for customers interested in a low cost and versatile handheld particle counter.

9303-01 Handheld APC, 6 channels, 0.3/0.5/0.7/1/2/5 µm, 0.1 CFM **$2345**

BCOnsite
A UNIT OF BC GROUP INTERNATIONAL, INC.
On-Site Benefits:
- No Downtime, PLUS No Shipping, Trip or Travel Charges
- Our Service Center Comes to You!
- Special Benefits for Multi-Year, Multi-Site & Major Account Clients, including: Discounts on Product Purchases
Give BC Onsite a Call
1-888-223-6763
BCOnsite

A. Ohmic AMM-15 Dew Point Meter **$998**
Verifies dew point of pressurized medical gases per ANSI & NFPA99. Range of -40° to +80°F. Max temp of +140°F. Max pressure of 175 PSI.

B. Brass Fitting Kit BC20-40610 . . . . . **$199**
- 1 Brass Elbow 45° 1/4" MNPT x 1/4"FNPT
- 1 Brass Bushing 3/8" MNPT x 1/4" FNPT
- 1 Brass Tee 3/8" x 3/8" x 3/8" FNPT
- 1 Brass Bushing 3/8" MNPT x 1/8" FNPT 1
- 1 Brass Nipple 3/8" NPT
- 3 Quick Connector 1/4" MNPT
- 1 Brass Elbow 90° 1/4" FNPT x 1/4" FNPT
- 1 Extension Hose - 2' 1/4" MNPT (Both Ends)
- 2 Brass Bushing 3/8" MNPT x 1/4" FNPT
- 2 Quick Connector 1/4" MNPT
- Coupler x Coupler Assy (Two 1/4" MNPT Couplers & one nipple)
- 21 Quick Connectors 1/8" FNPT With Bushing (For Adapters)
- 1 Flexible pipe for O_2 sensor

C. Medical Gas Outlet Fitting Kit BC20-40630 . . . . . **$433**
Contains all of the fittings/adapters needed to test most outlets (Ohmeda®, Diamond, DISS, Puritan-Bennett & Chemtron) for common gases: Air, Oxygen, Nitrous Oxide, Vacuum, Evac and Nitrogen.

Fitting Kit Combo BC20-40530 (Includes B & C) **$632**

Gelman Particulate Filters & Accessories
1119 Poly Holder for 47 mm filters (50 PSI Max). . . . **$135**
D. **1235** Aluminum Holder for 47 mm filters **$575**
7245 Petri dishes, 47 mm filter protection (per 100) . . **$55**
E. **51147** Forceps for handling filters **$35**
66149 PTFE Filters 47 mm x 0.45 micron (pack) . . . **$475**
66408 47 mm x 0.45 micron filters (pack) **$175**

Flowmeters
All prices include Calibration Certificate.
FR4A65BVBN Key Instruments 1 to 10 SCFM Air . . **$310**
F. **FR4A67BVBN** Key Instruments 0.5 to 5 SCFM Air . . **$310**
FR4A70BVBN Key Instruments 30 to 300 PM Air . . **$310**
G. **B18J201B126** Matheson 260 L w/Valve **$599**
B18J201B127 Matheson 320 L w/Valve **$599**

Be sure to check out TSI Mass Flowmeters on Page Y.

***H. Geotech G210-10N Gas Analyzer** **$5280**
Measures 0-100% Nitrous Oxide, 0-100% Oxygen and 0-2,000 ppm Carbon Dioxide
- Accessories Included: battery charger, operating manual, supplied in a Hard Carry Case.

***Geotech G210-11N Gas Analyzer** **$5720**
Measures 0-100% Nitrous Oxide, 0-100% Oxygen, 0-2,000 ppm Carbon Dioxide and 0-500 ppm Carbon Monoxide
- Accessories Included: battery charger, operating manual, supplied in a Hard Carry Case.

*Requiring BC80-00246 Flow Restrictor **$45**

Geotech CO_2 Analyzers
G110-00N CO_2, (0-100%) **$2145**
- Accessories Included: Battery Charger - Sample tube - Filters - operating manual.

I. Medical Gas Hard Carrying Case 221609 . . . . . **$267**
Diced foam. Customize to meet your needs. Usable for any test equipment but this is the ideal size for a medical gas assortment. Dimensions: 21.5”x15.5”x9”.

A

B

PLEASE NOTE: Flowmeter/Pressure Gauge Shown is NOT INCLUDED.

C

D

E

F

G

H

I

K

L

M

O

P

Q

R

S

T

O_2 cleaning available

Call for more ranges

K. Western N_2 Purging Regulator RFS-7P.....$331

- Brass body resists corrosion
- Easy-to-read 2" pressure gauge
- Self re-seating pressure relief valve protects against over-pressurization
- Size / Weight: 7.5"x4.5"x6.5" / 3 Lbs 3 oz

Medical Gas Installation Tools

These two devices allow medical gas installers to comply with NFPA 99 2002 where it requires that the Nitrogen source of the purge gas shall be monitored and the installer shall be audibly alerted when the source content is low.

L. LPWD Low Pressure Warning Device **$345**
Designed to monitor pressurized gas and alarm when pressure drops below a user adjustable pressure range 25 to 110 PSI with a 300 PSI Max pressure rating.

M. S3000-1/4 Low N_2 Pressure Gauge **$190**
A general purpose 0 to 4000 PSI gauge suitable for use with Nitrogen. This gauge will alarm both visually and audibly when pressures fall below 500 PSI (± 150 PSI). Gauge has a 2" face and ¼" MNPT connection.

Amprobe ULD-300 Ultrasonic Leak Detector $340

TIF Halogen Leak Detectors

Carrying Case included with all models.

TIFXL-1A Single Sensitivity Range **$151**
TIFRX-1A Dual Sensitivity Range **$203**
O. TIFXP-1A Seven Sensitivity Settings **$233**

Ansonics Ultrasonic Son-Tector Leak Detector Packages

A preventative maintenance tool, used to rapidly locate and pinpoint leaks and malfunctions in a wide variety of equipment.

112 Package **$995**
P. 123 Package **$1095**

Q. Snoop® Liquid Leak Detector

Specially formulated liquid that adheres to vertical surfaces with better and longer bubbling to indicate leaks.

Pack of Six 2 oz bottles **$40**
Pack of Five 8 oz bottles **$45**
One Gallon bottle **$98**

R. Magnum Pro Combo Pneumatic Calibration Pump Model# MVP-600 . . . . . $589

- Contoured cushion handles
- Oversized check valve for smooth controlled operation
- Mash proof vent valve (No Needle Valve)

S. Meriam Hand Pumps

B34686 145 PSI Pressure Hand Pump (for Meriam Smart Manometer DN & GI Models) **$414**
B34700 650 mmHg Vacuum Hand Pump (for Meriam Smart Manometer AI Models) **$414**

T. WIKA Analog Pressure Gauges w/ Calibration Certificate

Model	Range	Accuracy	Size	Price
232.54/30	0 to 0030" Hg	± 1.5% FS	2.5"	**$130**
232.54/100	0 to 0100 PSI	± 1.5% FS	2.5"	**$130**
232.54/300	0 to 0300 PSI	± 1.5% FS	2.5"	**$130**
232.54/30-4"	0 to 0030" Hg	± 1.0% FS	4.0"	**$180**
232.54/100-4"	0 to 0100 PSI	± 1.0% FS	4.0"	**$180**
232.54/300-4"	0 to 0300 PSI	± 1.0% FS	4.0"	**$180**
232.54/1000-4"	0 to 1000 PSI	± 1.0% FS	4.0"	**$180**
232.54/3000-4"	0 to 3000 PSI	± 1.0% FS	4.0"	**$180**

- 2.5" gauges 1.5% FS Accuracy
- 4" 1% FS Accuracy

A. TSI Certifier-FA PLUS High Flow Vent Test System $4300

4080 - Includes Controller Module (Model 4088) and High Flow Module (Model 4081) AC adapter, bacteria filter, pressure tubing and adapters, operator's manual, National Laboratory traceable Certificate of Calibration and soft-sided carrying case.

- Color touch screen graphical user interface
- Graph mode Supports Adult, pediatric, anesthesia, Neonatal & high frequency ventilators
- Bi-directional & unidirectional gas flow capabilities
- Print & data storage - 1 MB of internal storage & 64 MB optional SD flash card
- Volumes & flow in BTPS, BTPD, Actual, Standard or user defined standard
- Calibrations for Air, Oxygen, Air/Oxygen mixture, nitrogen, Nitrous Oxide (low flow module only) & carbon dioxide
- High pressure port – to 150 PSIG
- Rates up to 1500 BPM

Optional Accessories:

- **4082** Low Flow Module **$860**
- **4073** Oxygen Sensor Kit: Adds O_2 measurement capability to Certifier FA Test System **$300**
- **1303860** Printer Cable **$40**
- **1208061** Extra Battery Pack/Charger Kit **$120**

Flip for more info on this product - Pages 55-58

B. TSI Certifier-FA Respiratory Vent Test System

Simply the best way to test ventilators, Oxygen concentrators and other respiratory and flow devices. A complete measurement solution for Air, Oxygen and Nitrous Oxide.

4070 High Flow Test System (Includes controller module, high flow module, four AA batteries, filter, pressure tubing and adapters, flow module mounting bracket, screwdriver, manual,

Parameter	Specification
High Flow Air or O_2	0 to 300 SLPM; ± 2% of reading or ± 0.075 SLPM
High Flow Air/O_2 Mix	0 to 300 SLPM; ± 4% of reading or ± 0.1 SLPM
Low Flow Air or O_2	0.01 to 15.00 SLPM; ± 2% of reading or ± 0.010 SLPM
Low Flow N_2O	0.01 to 15.00 SLPM; ± 4% of reading or ± 0.025 SLPM
Volume Air or O_2	0 to 10 L; ± 2% of reading or ± 0.02 SLPM
Volume Air/O_2 Mix	0 to 10 L; ± 4% of reading or ± 0.02 SLPM
High Pressure	N/A ***(See DPM -235175NNFC, DPM -23017510NFC Listed Below)***
Low Pressure	-25 to 150 cmH_2O; ± 0.75% of reading or ± 0.20 cmH_2O
Breath Rate	0.5 to 120 BPM (± 5%)
I:Time	0.25 to 60 seconds (± 0.01 sec.) (E:Time Not Displayed)
I:E Ratio	1:100.0 to 100.0:1 (± 5%)
Minute Volume	0 to 99.00 stp L (± 7%)
Barometric Pressure	362 to 1,500 mmHga; ± 8 mmHga
Oxygen	0 to 100%; ± 2% at Calibration Conditions
Portability	Complete Kit Case - 11"x8"x4" / 3 lbs
Power	Four AA - Battery Life 15 to 20 Hours

NIST Traceable Calibration Certificate and soft-sided carrying case) **$2800**

Optional Accessories:

- Recommended Digital Pressure Meters for ventilator and anesthesia service .....applications
  - **DPM-235175NNFC** (High precision DPM with 75 PSI Range).....**$815**
  - **DPM-23017510NFC** (High precision DPM with 75 & 10 PSI Range).....**$940**
- **4072** Low Flow Module.....**$830**
- **4073** Oxygen Kit: Adds O_2 measurement capability to Certifier FA Test System **$300**
- **1319288** TSI Certifier Hard Carrying Case **$200**
- **BC20-40700** TSI Certifier Protective Boot & Stand...**$65**
- **BC20-40701** Low Flow Filter **$25**
- **BC20-40702** High Flow Filter **$25**
- **PSR-11-917J** Replacement O_2 Sensor.....**$105**

A

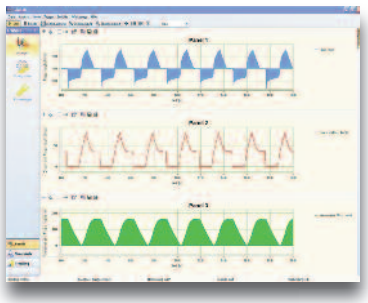
Handheld

B

Handheld

A

B



C

D

A. PFC-3000 FLOW ANALYZER (BENCHTOP) SERIES

The PFC-3000 series of instruments measures flow, pressure, temperature, humidity and O_2 concentrations bidirectionally. The one-of-a-kind Adult, Pediatric and High Frequency ventilation measuring modes make the PFC-3000 the ideal calibration tool for all ventilators, anesthesia machines and spirometers.

PFC-3000A Basic Flow Analyzer **$7790**
PFC-3000AKIT **$8565**
Biomedical Test-Kit "Ventilation" Includes 1 each: PFC-3000A, LS-2000A, and FlowLab Software
PFC-3000A-MGA-KIT **$13455**
Biomedical Test-Kit "Ventilation & Anesthesia" Includes 1 each: PFC-3000A, LS-2000A, MGA-3050 and FlowLab Software

PFC-3000L Basic Flow Analyzer with additional low pressure sensor **$8390**
PFC-3000LKIT **$9135**
Biomedical Test-Kit "Ventilation" Includes 1 each: PFC-3000L, LS-2000L, and FlowLab Software
PFC-3000L-MGA-KIT **$14025**
Biomedical Test-Kit "Ventilation & Anesthesia" Includes 1 each: PFC-3000L, LS-2000A, MGA-3050 and FlowLab Software

PFC-3000V Basic Flow Analyzer with additional vacuum sensor for vacuum measurements **$8390**
PFC-3000VKIT **$9135**
Biomedical Test-Kit "Ventilation" Includes 1 each: PFC-3000V, LS-2000V, and FlowLab Software
PFC-3000V-MGA-KIT **$14025**
Biomedical Test-Kit "Ventilation & Anesthesia" Includes 1 each: PFC-3000V, LS-2000A, MGA-3050 and FlowLab Software

Optional Accessories:
B. FlowLab Software Software for PFC-3000 Series. . **$375**
C. MGA-3050 Multi Gas Analyzer **$5150**

D. Mallinckrodt (NPB) BreathLab PTS-2000 Ventilator Analyzer 4-076185-00 . . . . . Call for price

- Accurately measures pressure, flow, volume, Oxygen concentration & barometric pressure & N_2O flow
- Measures Air, O_2, Air/O_2 mixture
- User-replaceable O_2 sensor
- Single-multifunction screen; portable, lightweight, rugged design
- 20 selected parameters on 10 user-configurable screens
- Numeric display of two real-time measurements
- Auxiliary menu for O_2 calibration & sensor management
- English & metric units for pressure, flow & volume

Optional Accessories:
- **4-075356-00** BreathLab Software **$495**
- **4-075359-00** Model 840 Vent Software **$813**
- **4-076164-00** Hard Carrying Case **$467**
- **4-076599-00** Model 840 Vent Accessory Kit **$600**

BC Group
YOUR ONE-STOP BIOMED SHOP
TO PURCHASE ONLINE VISIT
WWW.BCGROUPINTL.COM

CE

A. Single Lung Training & Test Lung

The Single Adult Training and Test Lung is ideal for training and precision calibration, offering a wide range of resistance and compliance settings, a full-scale tidal volume capacity, and easy-to-read pressure and volume tracing equipment.

• Features a comprehensive turret assembly that makes setting up an airway a breeze. The turret is easily adjusted and eliminates the need for extra accessories. You'll never lose an accessory again!

• Comes mounted in a durable carrying case. If you calibrate ventilators in several different locations or find yourself carrying your test lung equipment from classroom to classroom, there is no substitute for the single lung unit. The compact turret assembly, combined with the convenience of the carrying case, makes it our most portable unit.

Model 4600 (analog) $3699
Model 3600i (instrumented) $6199

A

CE

B. Dual Adult Training and Test Lung

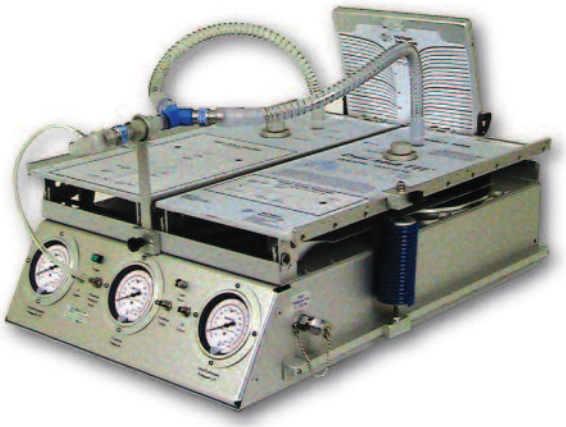
The dual adult test lung features our largest tidal volume capacity (4L) and comes equipped with accessories capable of simulating both upper and lower airway resistance.

• Is capable of spontaneous creath simulation. When coupled with our Breath Simulation Module, the dual adult lung becomes a spontaneously breathing unit, capable of simulating patient demand and other related scenarios.

• Allows for side-by-side comparison of pulmonary pathologies. The dual action of the model 1600 and 5600i test lungs allows the user to simulate two different pulmonary environments at the same time, making comparison (visual and otherwise) easy.

Model 1600 (analog) $4799
Model 5600i (instrumented) $7999

B



CE

C. Adult/Infant Training and Test Lung

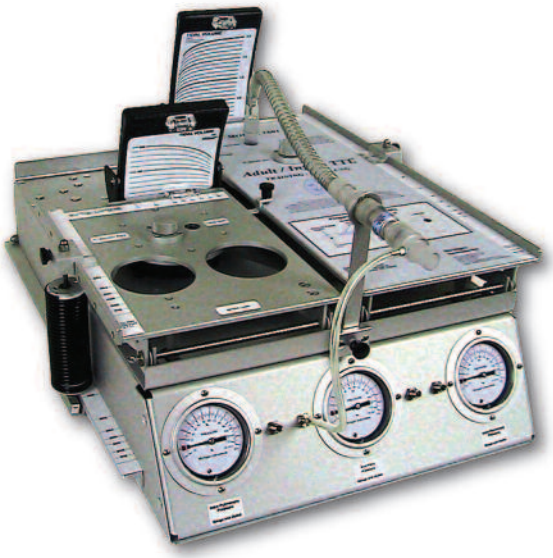
Versatility is power in the medical industry, and our model 1601 and 5601i test lungs feature both adult and infant lung chambers, giving them the widest possible range of applications.

• Simulates a wide variety of pulmonary conditions. Lung compliance and resistances can easily be adjusted to simulate any type of pathology in either adult or infant scenarios. A training and test lung is a useful tool spanning respiratory therapy classrooms to hospital biomed departments.

• Offers a wide range of compliance and resistance settings from 5-500 $cmH_2O/L/sec$ (resistance) and 0.001-0.10 L/cmH_2O (compliance).

Model 1601 (analog) $4999
Model 5601i (instrumented) $8299

C



D

E

F

G

H

D. Breath Simulation Module $1988

The Michigan Instruments' Breath Simulation Module is a compact precision device designed to transform the dual adult Training and Test Lung into a spontaneously breathing system. While in this mode, the PneuView system can analyze a simulated patient breath at preset compliances and resistances as well as investigate the characteristics of assisted ventilation. No other apparatus allows for simulated breaths at such a controllable level.

- A physical and digital display of spontaneous breaths, useful in the classroom and in ventilator calibration.
- Accurate control of breath rate, tidal volume and inspiratory time.
- Easy, calibrated ventilation of testing equipment via line-air.
- Simple setup. With a Breath Simulation Module, a spontaneously breathing system can be set up in less than two minutes.

BC Biomedical LS-2000 Lung Simulator Series

Airway resistance, lung compliance & leakage widely adjustable.

E. LS-1000E EasyLung Simulator **$215**
E. LS-2000A Adult Lung Simulator **$850**
E. LS-2000I Infant Lung Simulator **$850**

BC Biomedical TestLung Infant LS-1000N

The TestLung Infant is the ideal tool to test neonatal and infant ventilators.

F. LS-1000N TestLung Infant **$215**

Flip for more info on this product - Pages 59-60

G. "Manley" Lung Simulator $3800

A long-time industry favorite. Acts as a simulated physiological load for the ventilator being tested.

- Volume range: 0.3 to 1.0 L
- Variable airway resistances
- Variable compliances

We service Manley Lung Sims & carry replacement parts!

Test Lungs

10107 Infant **$125**
H. BC20-40200 Adult **$75**

BC Biomedical
A UNIT OF BC GROUP INTERNATIONAL, INC.
FLIP CATALOG
FOR MORE INFO

TSI General Purpose Mass Flowmeters

- Flow rate, volume, temperature, pressure in one instrument
- High accuracy - 2% of reading
- Multi-gas, user selectable
- Built-in temperature & pressure sensors for high accuracy without external compensation
- Standard L/minute or Volumetric L/minute
- RS232 & Analog outputs

A. 4040 Mass Flowmeter The TSI Mass Flowmeter 4040 can be used for a multitude of gas flow measurement applications. Whether measuring gas flows in a laboratory or manufacturing setting, TSI general-purpose mass flowmeters provide accurate results with multiple data output options. The display versions come complete with accessories making setup and operation fast and convenient **$940**

B. 4043 Mass Flowmeter 0-200 LPM range. **$940**

- User selectable Gas calibration

(Includes: Air, N_2, O_2, Air/O_2 Mix; Flow up to 300L/min & 22 mm ISO tapered O.D. inlet/outlet size)

C. 4140 Mass Flowmeter The TSI Mass Flowmeter 4140 (0.01-20L/min Air, O_2, N_2 1/4" tube) can be used for a multitude of gas flow measurement applications. Whether measuring gas flows in a laboratory or manufacturing setting, TSI general-purpose mass flowmeters provide accurate results with multiple data output options. The display versions come complete with accessories making setup and operation fast and convenient. **$880**

4143 Mass Flowmeter 0-20 LPM with 3/8" connection. **$880**

- User selectable Gas calibration (Includes: Air, N_2, O_2; Flow range up to 20 L/min & 0.25 in O.D. inlet/outlet size)

41403 Mass Flowmeter Same as 4140 but adds N_2O **$990**

41433 Mass Flowmeter 0-20 Same as 41403 but has 3/8" connection **$990**

Optional Accessories:

- **4199** Flowmeter Battery Pack Base **$105**

D. Mark 8 Respirometer **$1345**
Two Dials. Small dial: 0 to 1 L. Large dial: 0 to 100 L.

Optional Accessories:

- **E. 19-00481** Adapter that connects a respirometer to a ventilator drive gas hose **$35**
- **BC20-01007** Respirometer Wright Guard **$95**

F. BC78XX Test Box (Ohmeda®) **$350**
Test box simplifies testing of Ohmeda® anesthesia ventilators. Includes a 24" connecting cable.

Optional Accessory:

- **BC78XX-CABLE** Replacement 24" cable (also fits Ohmeda® 78XX test box model) **$70**

Special Tools for Anesthesia

G. 10195K29 Krytox® Oxygen-compatible Lubricant (one tube) **$99**
H. 1204K32 Dow Corning 111 (Dräger) Stopcock Lubricant/Sealant (two tubes) **$50**

A

Pictured with optional 4199

B

C

Pictured with optional 4199

E

D

G

F

H

A

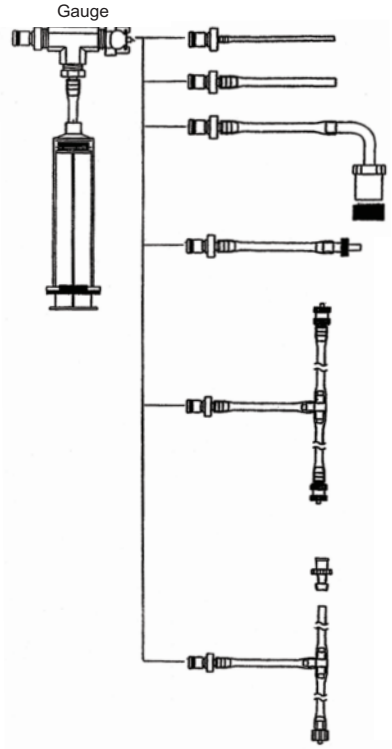
B

NEW

C

D

GMS Type Absorber Gauge



NAD 2A Breathing Press Monitor

Auxilary Flowmeter Breathing Press Monitor, NAD 3 & 4

NAD Leak Test

78XX High Pressure Limit Test 8000

7000 Mechanical Relief Valve & Tec Port Valve Leak Test

Tycos Gauge & Pressure Monitor

2120/2110 NIBP Calibration

NIBP Inflation Pressure Test

5250/5310 Baro Cal Test Fixture

A. AA-2005 Anesthetic Agent Analyzer $5995

The BC Biomedical AA-2005 Anesthetic Agent Analyzer measures vaporizer output concentration using a digital display. This unit uses a State-of-the-art non-dispersive infrared (NDIR) technology and measures concentration in percentage values for Desflurane (Suprane), Sevoflurane, Isoflurane (Forane), Halothane as well as Enflurane (Ethrane). The AA-2005 also detects and quantifies mixed agents.

- **BC20-30114** Hard Case. **$395**

B. VSI-1466 Switching Instrument $440

The Model VSI-1466 is a Microprocessor based Valve Switching Instrument. It provides automatic switching of two independent gas flows to one common exhaust port.

C. Riken FI-21 Portable Gas Indicator $3683

This Anesthetic Gas Indicator measures vaporizer output concentration using a digital display and does not require correction factors. Measures concentration in percentage for Desflurane (Suprane), Sevoflurane, Isoflurane (Forane) and Halothane. The battery operated FI-21 allows the user to select the carrier gas (O_2 or Air) and has an internal pump. Includes: Sampling Tube, Carrying Case and Sampling "T" Piece.

Gilmont GF1160 500 mL Flowmeter with fitting kit $410

- To check monitor pump flow rates
- Correlated flowtable
- Calibration Certificate Included

Anesthesia Pressure Meter Adapter Kits

Easily connect a pressure meter to popular anesthesia machines.

BC20-40600 Ohmeda® High Pressure Kit **$175**

- For testing: Model I & II Secondary Regulator, Excel Secondary Regulator, 7000 Vent Primary Regulator, Modulus CD & Mod II Plus Primary & Secondary and 78XX Primary Regulator

D. BC20-40601 Ohmeda® Low Pressure and Drager Combo Kit **$175**

- Ohmeda® Tests: Absorber Gauge, 78XX High Pressure Limit Test, 7000 Mechanical Relief Valve Test, Select-a-tec Port Valve Leak Test, Tycos Gauge & Pressure Monitor Test, 2120/2110 NIBP Calibration & 5250/5330 Barometric Pressure Calibration
- Drager Tests: NIBP Inflation Pressure Test, Manual Sphygmomanometer, Model 2A Breathing Pressure Monitor, Auxiliary Flowmeter, Model 3 & 4 Breathing Pressure Monitor & Leak Test

Optional Accessories:

- **10-02** CPC Coupler 1/8" MNPT **$15**
- **021-140** Inflation Bulb with valve **$15**
- **22-02** CPC Connector 1/8" Barb **$10**

Contact us...
...for your Anesthesia Price Guide...
...an easy reference for all of your test equipment needs.

G. Mini-Ox I Oxygen Analyzer $405

This portable unit comes with battery life indicators, an easy-to-use thumb wheel calibration dial and a push-button ON/OFF switch. Powered by one 9V battery, the MiniOX I Oxygen Analyzer provides up to 1400 hours of use.

- Range - 0 to 100% O_2
- Linearity - ± 2%

Optional Accessories:

- **PSR-11-917-J** Replacement Sensor **$105**

H. Mini-Ox 3000 Oxygen Monitor $645

Features high and low Oxygen concentration alarms, automatic calibration, battery life indicators & alarms, sensor/cable disconnect alarm and an alarm verification indicator. The MiniOX 3000 Oxygen Monitor is perfect for "in line" Oxygen monitoring in such applications as hospital and home ventilators, NICU and anesthesia delivery equipment.

- Range - 0 to 100% O_2
- Linearity - ± 1%

Optional Accessory:

- **PSR-11-917-J** Replacement Sensor **$105**

I. All-2000A Oxygen Analyzer $375

- Range - 0 to 100% O_2
- Accuracy - ± 1% full scale at Constant Temp & Pressure
- Resolution of Display - 0.1% O_2
- Sensor Life - 60 months in Air
- Warranty - Analyzer Two Years, Sensor 18 Months

Optional Accessory:

- **All-11-60** Replacement Sensor **$105**

J. All-2000M Oxygen Monitor $575

The All-200M has all the same features as the All-2000A Oxygen Analyzer, but provides a Low Limit Alarm 15 to 100%.

Optional Accessory:

- **All-11-60** Replacement Sensor **$105**

K. Maxtec Original Oxygen Analyzer

A gold standard in our O_2 analyzer line up, this model has the sensor inside the analyzer. When attached to the tubing, checking oxygen concentrators for O_2 percentage accuracy is done quickly and with ease.

OM-25 A Internal MAX-250 long-life sensor . . . **$365**
OM-25 AE External MAX-250 long-life sensor . **$400**

L. R2118P12 Handi+ Oxygen Analyzer $195

The Handi+ is everything it's always been and more! Maxtec has improved the Handi O_2 analyzer to better meet your needs for oxygen analysis. The simple to use, one-touch calibration button, new overmold, and calibration reminder combined with the traditional 2 year warranty, auto-off and size make it the best of its class.

Replacement Anesthesia O_2 Sensors

(See online guide for more information.)

M. PSR-11-915 . . . . . **$140**
PSR-11-915-1 . . . . . **$250**
PSR-11-915-2 . . . . . **$160**
N. PSR-11-915-3 . . . . . **$160**
PSR-11-915-4 . . . . . **$250**

Replacement Respiratory O_2 Sensors

(See online guide for more information.)

O. PSR-11-33 . . . . . **$80**
PSR-11-33-2 . . . . . **$80**
P. PSR-11-55 . . . . . **$100**
PSR-11-77 . . . . . **$100**
Q. PSR-11-917-J **$105**
PSR-11-917-M **$105**

Handheld

G

H

I

J

K

L

M

N

O

P

Q

A

B

C

D

E

F

G

A. ILT1490-ELMS Endoscope Light Measurement System . . . $2500
The Endoscope Light Measurement System (ELMS) is a hand-held endoscope testing instrument designed to measure the luminous radiation of standard medical endoscopic light sources, fiber bundles and endoscopes. An endoscope light QC system.

B ILT74 Hyperbilirubinemia Light Meter / Radiometer $925
The ILT74 Hyperbilirubinemia Light Meter / Radiometer was specifically designed to easily measure the exposure level of standard hyperbilirubinemia therapy systems directly in the patient plane.

C. Olympic Bilimeter Irradiance Measuring Instrument Mode 22 Bili-Meter™ with Type B-22 Sensor 53822 Used for measuring all regular Phototherapy lights Including fluorescent, halogen & even sunlight. **$2200**

Olympic Type F-22 Sensor (phototherapy Pads only) 53865 . . . . . **$682.50**
Olympic Type B-22 Sensor (phototherapy lights only) 53860 . . . . . **$682.50**

D. Extech 401025 Visible Light Meter $150
0 to 5000 Fc & 0 to 50,000 Lux, digital, handheld, ± 5% Accuracy.

Optional Accessory:
- **NIST Traceable Calibration Certificate $75**

E. Extech EA30 EasyView Light Meter $190
- Widest range to 40,000 Fc/ 400,000 Lux is ideal for outdoor applications
- Utilizes precision silicon photodiode sensor
- Complete with a built-in stand, remote sensor with a protective cover, protective rubber holster, a five foot coiled cable for easy storage & six AAA batteries

Optional Accessory:
- **NIST Traceable Calibration Certificate $75**

Tachometers

F. BC Biomedical TC-1726 Combo Photo/Contact Tachometer without Calibration Certificate **$322**
BC Biomedical TC-1726C Combo Photo/Contact Tachometer with NIST Traceable Calibration Certificate **$387**

Flip for more info on this product - Pages 61-62

Optional Accessory:
- **BC20-00601** Carrying case **$50**
- **BC20-00602** 12 inch surface speed wheel **$75**
- **BC20-00603** Convex rubber tip with metal hub **$24**
- **BC20-00604** 10 cm surface speed wheel **$16**
- **BC20-00605** Concave rubber tip with metal hub **$23**
- **BC20-00608** Contact adapter assembly **$61**
- **BC20-40705** Phototach Reflective Strip Material . . . **$11**

G. Extech 461893 Photo Tachometer **$210**
Extech 461895 Combo Photo/Contact Tachometer **$270**
Extech 461995 Laser Combo Photo/Contact Tachometer **$310**

Optional Accessory:
- **BC20-40705** Phototach Reflective Strip Material (2 ft) **$11**

Extech 407355 Noise Dosimeter **$700**
Measure total sound exposure over an eight hour period. % dose, dB & more.

Optional Accessories:
- **NIST Traceable Calibration Certificate** **$125**

Extech 407732 Sound Level Meter **$200**
High and Low measuring ranges: 35 to 100dB (low) and 65 to 130dB (high)

Optional Accessory:
- **NIST Traceable Calibration Certificate** **$125**

Extech 407766 Sound Level Calibrator **$420**
94 dB & 114 dB Levels @ 1 kHz.

Optional Accessory:
- **NIST Traceable Calibration Certificate** **$125**

H

H. Rice Lake Precision Weights & Weight Sets (Class F)
Precision Laboratory Stainless Steel Weight Sets for testing analytical balances and digital scales.

Cast Iron Grip Handle Weights for Testing Patient Scales

Part #	Weight	Not Cal'd	w/COA	w/NIST
12823	**5 lb**	**$ 55**	**$100**	**$130**
12828	**10 lb**	**$ 72**	**$117**	**$147**
12870	**20 lb**	**$ 92**	**$137**	**$167**
12833	**25 lb**	**$115**	**$160**	**$190**
12839	**50 lb**	**$130**	**$175**	**$205**
12862	**100 lb**	**$550**	**$595**	**$625**

Precision Weight Sets

12518	**1 g to 1 kg Set**	**$405**	**$450**	**$740**
12524	**1 g to 2 kg Set**	**$470**	**$515**	**$850**

Other weights available, please call us with your needs!!

A **Certificate of Accuracy** (**COA**) is proof that the nominal values represented by the mass in question have been designed and manufactured to within exacting specifications.

With **National Institute of Standards & Technology** (**NIST**) Certification the individual weight or weight set is automatically assigned a serial number.

I

I. Ophir Smart Display Laser Meters & Heads . . . . . .
Call for Specific Pricing & Availability
Any of the more than 70 Ophir smart heads are calibrated and configured to measure laser power and energy with that head.

K

J

J. Ohaus Analytical Balance/Scales . . . . **Call for Pricing!**
Ohaus makes a wide variety of digital balances (scales) ranging from portable to lab quality. Options and features available include: draft guards, carrying cases, RS232 output and much more.

K. Extech HW30 Humidity/Thermometer Stopwatch . . . **$45**
Digital UP/DOWN timer displays Temperature, Humidity, and Heat Index.

Optional Accessory:
- **NIST Traceable Calibration Certificate** **$15**

A

B

C

Female Plastic Luer Connector

Male Plastic Luer Connector

Female Metal Luer Connector

Male Metal Luer Connector

Male HP/Agilent Type Connector

Male Dinamap Type Connector with Wash Cap

Plastic Double Ended Tubing Connector

Female Luer Lock Connector

Male Luer Lock Connector

Female Metric Screw Type Connector

Male Metric Screw Type Connector

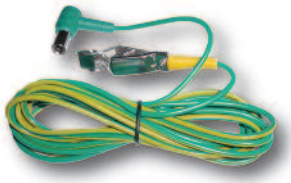
D

E

F

G

H



I

J

K

L

BC Biomedical Soft Carrying Case Series

Soft-sided heavyweight Cordura® material carrying cases that are a perfect fit for a multitude of test equipment and test accessories.

BC20-30106 Small Soft Carrying Case **$45**
Perfect for Digital Pressure Meters & multiple cables.

A. **BC20-30107** Medium Soft Carrying Case **$65**
A perfect fit for Safety Analyzers & multiple cables.

BC20-30108 Large Soft Carrying Case. **$100**
Easily fits Defibrillator Analyzers & multiple cables.

BC20-30109 Large Carrying Case for IPA-1000 Series **$120**

BC20-30111 Carrying Case for NIBP 1000 series . . **$50**

B. NIBP Fitting Kit BC20-40602 . . . . . **$60**

- HP cuff adapter
- CPC connector
- Inflation bulb
- Silicone tubing & tee
- Quick coupler with 1/8” MNPT

C. NIBP Adapter Kit BC20-40605 . . . . . **$80**
Connector kit for NIBP testers. Save time and money by buying this kit. Includes 11 connectors.

D. Universal Manometer Adapter Kit BC20-01005. . . . **$110**
Everything you need to connect a pressure meter, regardless of application.

- 25 different fittings: CPC, luer, pipe, barb, etc.
- Inflation bulb with valve
- Tygon tubing & more

E. ESU-2000A Replacement Accessory Kit BC20-00120 **$130**

ESU-2050 Replacement Accessory Kit BC20-00126 . . . . **$390**

ESU-2300 Replacement Accessory Kit BC20-00125 . . . . **$390**

ESU-2400 Replacement Accessory Kit BC20-00130 . . . . **$290**

F. Universal Banana-to-Snap/ECG Adapters BC20-17024. . . . **$260**

- Set of 10 Adapters
- Accepts 3 & 4 mm ECG Leads

G. Banana-to-Snap/ECG Adapters BC20-17025 . . . . . **$55**

- Set of 10 Adapters
- Accepts **only** 3 mm ECG Leads

H. EP Adapter (Earth Plug 6mm) BC20-41510 . . . . . **$25**

I. Ground Lug with a banana jack adapter BC20-17026 . **$10**

Defib & Pace Plates, Adapters & Cables (DA-2006 Series)

J. **BC20-00427** Plastic Protective Plates (Set Included) . **$22**
BC20-00432 Internal Paddle Adapters (Set Included). **$42**
BC20-41339 USB to RS232 Adapter **$110**
BC20-41341 Communication Cable **$90**
BC20-00420 PhysioControl - Defib/Pace. **$130**
BC20-00421 Marquette - Defib/Pace. **$275**
BC20-00423 Cable, Defib/Pacer Zoll $125 . . . . . **$130**
BC20-00426 Cable, Defib/Pacer HP/Agilent (Old Style bar rel connector) **$120**
BC20-00433 Cable, Defib/Pacer Test Philips (New Style) **$125**
BC20-00434 Cable, Defib/Pacer Test Cardiac Science **$125**

Safety Analyzer Cables

K. **BC20-20100** BC Biomedical Kelvin Cable (DNI Type). Fit the following DNI/Fluke Biomedical® models: 231, 232, 234, 235, 431, 432, u-Test 2000 & all medTesters . . **$130**

BC20-20110 BC Biomedical Chassis (black) Cable (BC Biomedical/Dale Technology® Type) **$85**

L. **BC20-20111** BC Biomedical External (red) Cable (BC Biomedical/Dale Technology® Type) **$85**

BC20-20115 BC Biomedical Kelvin Cable (BCB Type). **$105**

Invasive Blood Pressure Cables – Mini DIN

For use with BC Biomedical brand Multiparameter Patient Simulators. These cables come with the mini DIN style connector (see connector style AA in the connector reference), which is the same as the connector supplied on older (vintage) Bio-Tek Instruments simulators and current model Fluke Biomedical Multiparameter simulators.

Monitor Manufacturer	Description (BP connector listed below to Male mini DIN at simulator end)	BC Part #	BP Cable Connector Key	Price
Burdick	10-pin Female	BC20-41309	B	$150
Care	5-pin Male	Call Factory	C	Call
Corometrics	3-pin Male / 3-Pin Female	Call Factory	E	Call
Corometrics	12-pin Male (IUP Cable)	BC20-41343	M	$150
Criticare	6-pin Male	BC20-41301	H	$130
Critikon	6-pin Male	BC20-41301	H	$130
Datascope	6-pin Female	BC20-41308	F	$150
Datex DX-1	10-pin Female	BC20-41309	B	$150
Fukuda Denshi FD-2 / DS3300	12-pin Male	BC20-41311	V	$130
Gould/Statham	5-pin Male	Call Factory	C	Call
Hewlett Packard/Agilent/Philips	5-pin Female	Call Factory	J	Call
Hewlett Packard/Agilent/Philips	12-pin Male (40 uV)	BC20-41315	I	$130
Hewlett Packard/Agilent/Philips	12-pin Male (5 uV) **(Most common)**	BC20-41314	I	$130
Hewlett Packard/Agilent/Philips	12-pin Male (IUP Cable)	BC20-41344	PP	$150
Invivo Research	6-pin Male	BC20-41301	H	$130
Ivy Biomedical	6-pin Male	BC20-41301	H	$130
Kontron/Roche	12-pin Female	BC20-41318	X	$130
GE Marquette 7000	8-pin Male	Call Factory	P	Call
GE Marquette Eagle MQ-3	11-pin Male **(Most common)**	BC20-41320	N	$150
GE Marquette Twin	7-pin Male / 8-pin Male	Call Factory	D	Call
GE Marquette MQ-2	9-pin Female	BC20-41319	OO	$130
Medical Data Electronics (MDE)	6-pin Male	BC20-41322	H	$130
Mennen Medical	10-pin Male	BC20-41323	II	$130
Nihon Kohden	5-pin Male	BC20-41324	O	$130
North American Drager	6-pin Male	BC20-41301	H	$130
Novametrix	3-pin Male / 3-pin Female	Call Factory	E	Call
Ohmeda	6-pin Male	BC20-41301	H	$130
Physio Control	6-pin Male	BC20-41301	H	$130
Protocol Systems	6-pin Male	BC20-41301	H	$130
Puritan Bennett	10-pin Female	Call Factory	B	Call
Puritan Bennett PB-2	10-pin Female	BC20-41309	B	$150
Siemens Medical Solutions SM-1	10-pin Male	BC20-41329	HH	$130
Siemens Medical Solutions SM-3	15-pin Male	BC20-41328	Y	$130
SMEC	6-pin Female	BC20-41308	F	$150
Spacelabs (TK-1)	6-pin Male **(Most common)**	BC20-41301	H	$130
Spacelabs/Squib	5-pin Male	BC20-41331	Q	$140
Tektronix/Squib	6-pin Male	BC20-41301	H	$130
Vitastat	5-pin Male	BC20-41331	Q	$140
Vitatek/Squib	6-pin Male	BC20-41301	H	$130
Witt	6-pin Female	BC20-41355	F	$130
Universal BP Cable	Unterminated Pigtail	BC20-41340	Not Shown	$50
Universal – Adapter	BP Cable Adapter – Mini DIN Male to Large DIN Female	BC20-40736	AA – BB	$50
Universal – Adapter	BP Cable Adapter – Mini DIN Female to Large DIN Male	BC20-40737	BB – AA	$50

Blood Pressure Cables

Cardiac Output Cables

Communication Cables

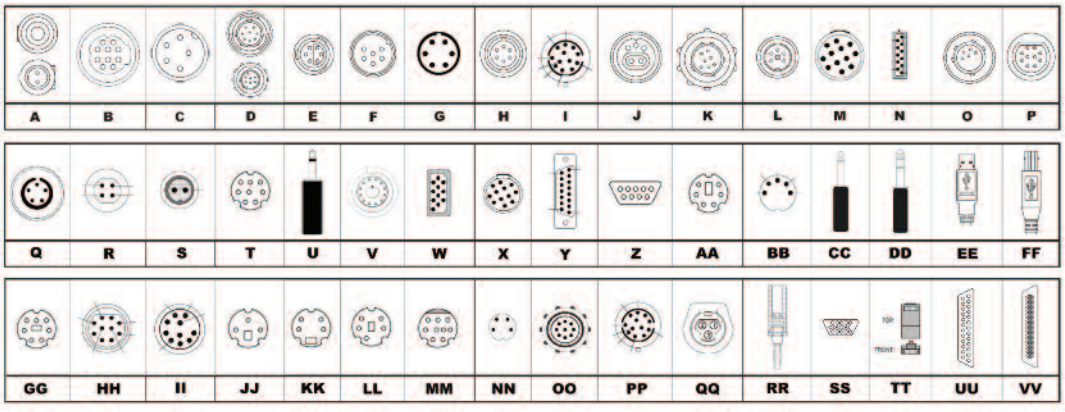
Temperature Cables

Invasive Blood Pressure Cables – Large DIN

These cables come with the large 5-pin DIN connector (see connector style BB in the connector reference) which is the same as the connector supplied on older vintage Dynatech Nevada, DNI Nevada Blood Pressure cables and new Fluke Prosim series.

Monitor Manufacturer	Description (BP connector listed below to Male large DIN at simulator end)	BC Part #	BP Cable Connector Key	Price
Burdick	10-pin Female	BC20-40303	B	$150
Care	5-pin Male	Call Factory	C	Call
Corometrics	3-pin Male / 3-Pin Female	Call Factory	E	Call
Corometrics	12-pin Male	Call Factory	M	Call
Criticare	6-pin Male	BC20-40301	H	$130
Critikon	6-pin Male	BC20-40301	H	$130
Datascope	6-pin Female	BC20-40302	F	$150
Datex DX-1	10-pin Female	BC20-40303	B	$150
Fukuda Denshi FD-2 / DS3300	12-pin Male	BC20-40304	V	$130
Gould/Statham	5-pin Male	Call Factory	C	Call
Hewlett Packard/Agilent/Philips	5-pin Female	Call Factory	J	Call
Hewlett Packard/Agilent/Philips	12-pin Male (40 uV)	BC20-40310	I	$130
Hewlett Packard/Agilent/Philips	12-pin Male (5 uV) **(Most common)**	BC20-40309	I	$130
Invivo Research	6-pin Male	BC20-40301	H	$130
Ivy Biomedical	6-pin Male	BC20-40301	H	$130
GE Marquette 7000	8-pin Male	Call Factory	P	Call
GE Marquette Eagle	11-pin Male	BC20-40308	N	$130
GE Marquette Twin	7-pin Male / 8-pin Male	Call Factory	D	Call
GE Marquette MQ-2	11-pin Male **(Most common)**	BC20-40307	W	$150
Medical Data Electronics (MDE)	6-pin Male	BC20-40314	H	$130
Mennen Medical	10-pin Male	BC20-40315	II	$130
Nihon Kohden	5-pin Male	BC20-40316	O	$130
North American Drager	6-pin Male	BC20-40301	H	$130
Novametrix	3-pin Male / 3-pin Female	Call Factory	E	Call
Ohmeda	6-pin Male	BC20-40301	H	$130
Physio Control	6-pin Male	BC20-40301	H	$130
Protocol Systems	6-pin Male	BC20-40301	H	$130
Puritan Bennett	10-pin Female	Call Factory	B	Call
Puritan Bennett PB-2	10-pin Female	BC20-40303	B	$150
Siemens Medical Solutions SM-1	10-pin Male	BC20-40318	HH	$130
Siemens Medical Solutions SM-3	15-pin Male	BC20-40319	Y	$130
SMEC	6-pin Female	BC20-40302	F	$150
Spacelabs (TK-1)	6-pin Male	BC20-40301	H	$130
Spacelabs/Squib	5-pin Male	BC20-40320	Q	$140
Tektronix/Squib	6-pin Male	BC20-40301	H	$130
Vitastat	5-pin Male	BC20-40320	Q	$140
Vitatek/Squib	6-pin Male	BC20-40301	H	$130
Universal BP Cable	Unterminated Pigtail	BC20-40332	Not Shown	$50
Universal – Adapter	BP Cable Adapter – Mini DIN Male to Large DIN Female	BC20-40736	AA – BB	$50
Universal – Adapter	BP Cable Adapter – Mini DIN Female to Large DIN Male	BC20-40737	BB – AA	$50

Cable Connector Key



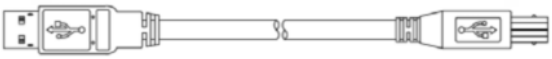
Temperature Cables

Description	Connector A	Connector B	BC Part #	Price
UT-1 Universal Temp Cable YSI-400 Series (PS-2110 & PS-2200 family)	T (Male)	CC	BC20-41333	$85
UT-2 Universal Temp Cable YSI-700 Series (PS-2110 & PS-2200 family)	T (Male)	DD	BC20-41334	$85
Universal Temperature Cable (Unterminated)	T (Male)	None	BC20-41351	$55
Temperature Cable, Hewlett Packard Simulation Cable	U (3.5 mm Male)	S (Male)	Call Factory	Call
UT-1 Temperature Cable, MaxiSim/416M YSI-400	NN	CC	BC20-30010	$85
UT-2 Temperature Cable, MaxiSim/416M YSI-700	NN	DD	BC20-30020	$85
UT-3 Temperature Cable, MaxiSim/416M Unterminated	NN	None	BC20-30030	$55
Temperature Cable, Hewlett Packard YSI-400	NN	S (Male)	BC20-30035	$180

Cardiac Output Cables

Description	Connector A	Connector B	BC Part #	Price
Cardiac Output Cable, HP Injectate Assembly	CC (¼ - inch Phone Plug)	R (Female 4-pin)	BC20-41335	$135
Cardiac Output Cable, HP Temperature Cable	A (Female ¼ - inch Phone Plug)	A (Male 2-pin HP)	BC20-41336	$220

Communication & Miscellaneous Cables



Description	Connector A	Connector B	BC Part #	Price
Communications cable for PS-2100, PS-2200, ULT & NIBP Series, DPM-2200, DPM-2300 Series (Mini DIN M to DB 9 F) – also used with BC Flash Update Programming Utility Software	GG (Male)	Z (Female)	BC20-41337	$110
Communication Cable for PSR-2200 to MPS-450 & Marq III (Mini DIN F to DB 9 M) – adapts the standard PSR-2200 Remote to the listed Fluke Biomedical simulators	GG (Female)	Z (Male)	BC20-41338	$90
Cable Adapter for PS-2100, PS-2200, ULT & NIBP Series, DA-2006 (USB to DB 9 M) – used on a PC that does not have an RS232 port – includes cable and CD with driver software	EE	Z (Male)	BC20-41339	$110
Communication Cable for DA-2006 & ESU-2000 Series (DB 9 M to DB 9 F)	Z (Male)	Z (Female)	BC20-41341	$90
Communication Cable for PSR-2200 to Host Computer (Mini DIN F to DB 9 F)	GG (Female)	Z (Female)	BC20-41342	$110
Communication Cable for the ESU-2000 Series USB(A)M to USB(B)M	EE	FF	BC20-41352	$25
Communication Cable for DPM-2000 Series (1/8” Phone Plug to DB 9 F)	U (1/8” Male)	Z (Female)	BC20-21102	$90
IPA-1000 Instrument to Chamber Interconnect Cable (Mini DIN M to Mini DIN M)	T (Male)	T (Male)	BC20-40607	$30
Communication RS232, USB(A)M to Mini DIN Male	GG (Male)	EE	BC20-41361	$135

A

B

C

D

E

F

G

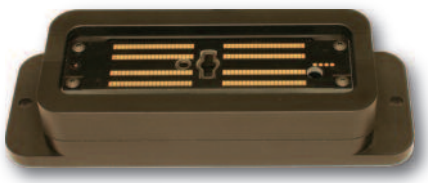
H

C-19

C-13

I

J



K

L

Typical Power Cord Options Available for the SA-2000-INTL Series With C-19 Connector

A. **BC20-20400** North America Hospital Grade . . **$58**
B. **BC20-20401** Japan **$58**
C. **BC20-20402** United Kingdom **$58**
D. **BC20-20403** Schuko-Continental Europe with Schuko ground adapter **$75**
E. **BC20-20409** India/South Africa **$58**
F. **BC20-20410** Switzerland **$58**
G. **BC20-20412** Italy **$58**
H. **BC20-20416** Australia **$58**

Typical Power Cord Options Available for the ESU-2050, 2050P, 2300, And ESU-2400 Series With C-13 Connector

B. **BC20-20500** North America **$58**
B. **BC20-20501** Japan **$58**
C. **BC20-20502** United Kingdom **$58**
D. **BC20-20503** Schuko-Continental Europe . . . **$58**
E. **BC20-20509** India/South Africa **$58**
F. **BC20-20510** Switzerland **$58**
G. **BC20-20512** Italy **$58**
H. **BC20-20516** Australia **$58**

Universal Adapters

I. **BC20-20200** US Plug Adapter(Grounded) **$16.50**
BC20-20202 UK Plug Adapter **$16.50**
BC20-20218 US 220V Plug Adapter(Grounded) . . **$16.50**

Ultrasound Transducer Adapters (use with ULT-2000 Series)

ULT-PA-10 Acuson/Siemens 8V5,15L8W,V5M,3V2C. **$453**
ULT-PA-11 Sonsonite Transducers, including TEE . . **$453**
ULT-PA-12 Acuson/Siemens 260-PIN **$950**
ULT-PA-13 Acuson/Siemens 156-PIN,V510B, ... **$638**
ULT-PA-14 ATL/Philips C9-5 Curved Array, ... **$950**
ULT-PA-16 GE LogicQ and GE P9603AU. **$950**
ULT-PA-17 Philips/ATL iE33 and iU22 . . . . . **$950**
ULT-PA-18 Philips/HP 4500, Sonos 5500/7500 . . . . **$446**
ULT-PA-19 Philips/CX50 . . . . . **$995**
ULT-PA-20 Toshiba PVF Series, 2B701-753E. **$638**
ULT-PA-21 Hitachi EUP-ES52M, EUP-Series Probes **$950**
ULT-PA-22 Aloka SSD-620, SSD-650 . . . . . **$950**
ULT-PA-23 All Transducers. **$525**
ULT-PA-24 Philips/ATL 256-pin, w/belled housing **$950**
ULT-PA-25 GE Logic Q, VIVID 6T,9T etc **$995**
ULT-PA-26 Acuson/Siemens 360-PIN . . . . . **Call**
ULT-PA-27 GE YMS/RT **$638**
ULT-PA-28 GE GE/CGR **$638**
J. **ULT-PA-29** Zonare Medical Systems. **$700**

Ultrasound Dual Conductivity Probes (use with ULT-2000 Series)

K. **ULT-PC-10** Short Probe (3.43 inches / 87.1 mm) . . . **$310**
ULT-PC-15 Medium Probe (4.46 inches / 113.2 mm)**$380**
L. **ULT-PC-20** Set, Includes Long Probe (11.58 inches / 294.1 mm) and Short Probe (4.89inches / 124.2 mm)**$450**

NOTE

All prices in this catalog are domestic list prices and are current at the time of printing. Prices may change without notice. For the most up-to-date pricing visit our website at:
www.bcgroupintl.com

AC & Battery Eliminator Cross Reference

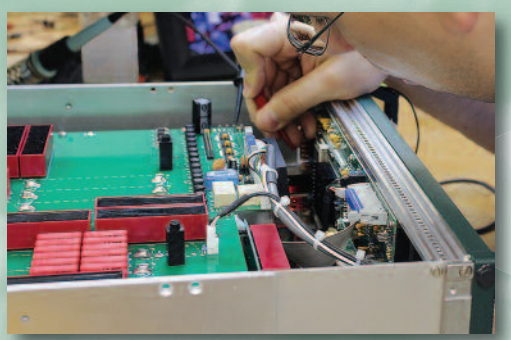
	Part #	Voltage	Item No.	Description	Price
A.	BC20-21110	9V	IPA-1000 DPM-2000	Battery Eliminator 9VDC Interchangeable US, UK, AUS and Euro Adapters	**$52**
	BC20-21111	10VDC	DA-2006 PS-2010 PS-2100 PS-2200 ULT-2000	Battery Eliminator Interchangeable US, UK, AUS and Euro Adapters	**$52**
	BC20-21112	12VDC	NIBP-1000 SPO-2000	Battery Eliminator 12VDC Interchangeable US, UK, AUS and Euro Adapters	**$52**
	*BC20-21104	100-240V	ESU-2050 ESU-2050P	Power Supply,Universal With C-13 Connector	**$68**
B.	*BC20-21105	100-240V	ESU-2300	Power Supply,Universal With C-13 Connector	**$68**
C.	*BC20-21107	100-240V	ESU-2400	Power Supply,Universal With C-13 Connector	**$125**

*Power Cord not included, see page Z

A

B

C



BC Depot
A UNIT OF BC GROUP INTERNATIONAL, INC.

Quick Turnaround
Centrally Located for US Customers
Economical & Convenient
All Types & Manufacturers Serviced

More Information on-line at...

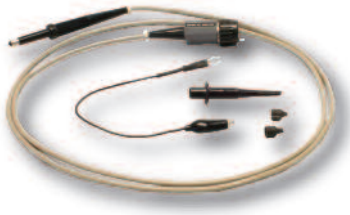
www.bcgroupintl.com

Oscilloscopes & Spectrum Analyzers • JJ

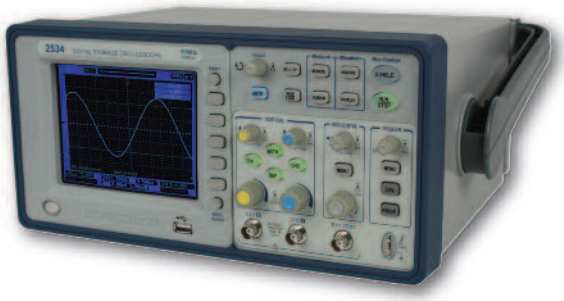
A

B

C



D



E

A. Fluke ScopeMeter 190-Series

Fluke 196B/003 (100 MHz Bandwidth) . . . . . **Call**
Fluke 199BM (200 MHz Bandwidth) . . . . . **Call**
Fluke 199CM (200 MHz Bandwidth) . . . . . **Call**

B. Fluke 123/003 ScopeMeter . . . . . Call

RS232 compatible and comes with a Three Year Warranty.

- 20 MHz Bandwidth
- Two Scope Vertical Channels
- Two DMM Channels

Optional Accessories:

- **C125** Soft Carrying Case . . . . . **Call**
- **Calibration Certificate** . . . . . **Call**

C. Gold Scope Probe Kits

The “Gold Probe” has been designed specifically for use with Tektronix, Hewlett Packard and other high performance oscilloscopes. The Gold-plated tips, sprung hook, ground lead, alligator tip and other critical interconnect points with in the Gold Probe, provide excellent contacts for probing low-level analog signals.

4901-2 Basic 7 piece Kit **$51**
4901-2K Deluxe 17 piece Kit. **$80**

D. BK Digital Storage Oscilloscope Model 2534 .....$799

The 2540B, 2542B, 2540B-GEN, and 2542B-GEN dual channel 60 MHz and 100 MHz digital storage oscilloscopes (DSO) deliver performance and value, all in one portable solution. Maximize productivity using extensive features such as digital filtering, waveform recorder, pass/fail limit testing, and automatic measurements. These oscilloscopes offer powerful tools in a small affordable package with deep waveform memory up to 2.4 Mpts plus LAN and USB PC interface. The 2540B-GEN and 2542B-GEN models add a built-in arbitrary waveform generator (AWG). These digital oscilloscopes are ideal for applications in design and debugging, service and repair, and education.

2540B 60 MHz, 1 GSa/s Digital Storage Oscilloscope **$779**
2540B-GEN 60 MHz, 1 GSa/s Digital Storage Oscilloscope with Generator **$1195**
2542B 100 MHz, 1 GSa/s Digital Storage Oscilloscope **$899**
2542B-GEN 100 MHz, 1 GSa/s Digital Storage Oscilloscope with Generator **$1395**

E. BK 50 kHz Spectrum Analyzer Model 2658A $10995

B&K Precision's 2658A is a compact, light weight and cost-effective spectrum analyzer for quick and precise signal investigations, especially away from the bench. At a weight of only 4 pounds (1.8 kg), the 2658A is by far the lightest full-featured spectrum analyzer available, yet it delivers performance and features comparable to a full-size bench spectrum analyzer and can operate up to 4 hours on a single battery.

With its ease of use, measurement flexibility and unmatched portability, the 2658A spectrum analyzer is an indispensible tool for engineers and technicians who conduct field measurements in the 50 kHz to 8.5 GHz range.

BK PRECISION
ELECTRONIC TEST INSTRUMENTS

We carry the complete line of BK PRECISION Oscilloscopes Contact us with your needs!

G. EXTECH EX710: 800A AC Clamp Meter $90
- 0.1 to 600 V
- 0.01 to 800 Amps AC
- Carrying Case, Battery & Test Leads Included

Optional Accessory:
- **NIST Traceable Calibration Certificate $40**

Extech EX720 True RMS AC Clamp-On Meter $120
- 0.1 to 600 V
- 0.01 to 800 amps AC
- -4 to 1400 °F
- Case, Battery & Test Leads Included

Optional Accessory:
- **NIST Traceable Calibration Certificate $40**

Extech EX730 True RMS AC/DC Clamp-On Meter $170
- 0.1 to 600 V
- 0.01 to 800 Amps AC
- -4 to 1400 °F
- Case, Battery & Test Leads Included

Optional Accessory:
- **NIST Traceable Calibration Certificate $40**

Multimeter Test Leads & Accessories
H. 8043S "Softie" DMM 10 piece lead set. **$27**
I. Fluke T-Pak Meter Hanging Kit . . . . . **Call**
J. Fluke 80K-40 High Voltage DMM Probe with Cal . . . **$213**

G

H

I

J

Model	Fluke 77-4	Fluke 114	Fluke 179	Fluke 87V	Fluke 289
Price	$300	$140	$300	$400	$Call
Price w/Cal Cert	$340	$180	$340	$440	
True RMS	No	AC	AC	AC	AC/DC
Basic Accuracy	0.3%	0.5%	0.09%	0.05%	0.025%
Bandwidth	No	No	No	20 kHz	100 kHz
Auto/Man. Ranging	Yes	Yes	Yes	Yes	Yes
Digits	3.5	3.5	3.5	4.5	4.5
Counts	3200	6000	6000	20000	50000
Temp.	No	No	+400 °C	+1090 °C	+1350 °C
Datalogging	No	No	No	No	Yes

We carry a wide variety of Digital Multimeters.
If you do not see what you need, please feel free to contact us

Power Line Disturbance Analyzers & DMM • LL

A

B

C

A. PowerGuide 4400 . . . . . **$7940**

Equipped with 8 independent channels, the 3-phase PowerGuide 4400 is the only advanced power monitoring instrument to incorporate a color touch screen into its lightweight design. Automated setups provide instant detection of circuits and configurations, ensuring that the instrument is ready to successfully collect data. Users can select the length and mode of data collection, including troubleshooting, data logging, power quality surveys, energy and load balancing.

B. PowerXplorer PX5 . . . . . **$10750**

The PowerXplorer integrates the most advanced feature set available in a power monitoring instrument, with an easy-to-navigate, color graphical user interface. With high-speed sampling and data capture (1 microsecond/channel), this 8-channel workhorse simultaneously captures and characterizes thousands of parameters, using a range of standard and customizable operating modes. The unique measurement capabilities of the PowerXplorer include capture of low-medium-high frequency transients through peak, waveshape, rms duration and adaptive high-speed sampling, as well as power measurements to clearly characterize non-sinusoidal and unbalanced systems.

C. DranTech XTRA/PRO **$350**

These multimeters are suitable for universal use in electrical engineering, electrical installation, laboratory applications, telecommunication, technical training, as well as for troubleshooting in the field.

Features & Highlights:

- Voltage 1000 V and current 10 A (Rms or DC) max measurements
- Frequency, RMS value of AC measuring voltage
- 4½-place display (11,999 counts), with display illumination
- Automatic Blocking Sockets to prevent incorrect connection of the measurement cables
- 1 khz low pass filter for VAC measurements
- Square Wave signal measurement with amplitudes of 2 to 5 V and frequencies from 100 Hz to 1 MHz
- Capacitance measurement to 1000 µF
- Resistance measurement to 40 Meg ohms
- Temperature measurement in degrees Fahrenheit or Celsuis
- Thermocouple measurement capabilibities of Type J and K thermocouples
- Battery run time, approximately 200 hrs on 2 AA alkalines
- Overload Protection, audible sound is employed if upper voltage or current range is exceeded
- Fuse indicator displays message that the fuse for current measurements needs to be replaced
- Bandwidth - 50 kHz (PRO), 100 kHz (XTRA)
- Frequency - 100 kHz (PRO), 1 MHz (XTRA)
- Memory for data logging - 540 kb (XTRA only)
- Remote configured, and momentary and stored measurement data via the bidirectional infrared interface with DranWin software (XTRA only).

DRANETZ BMI

The Source for Power Monitoring Equipment and Services

Dranetz-BMI has long been recognized as the world's number one source for power monitoring equipment and services. From versatile handheld power quality monitors used for portable troubleshooting applications, to permanently installed systems for continuous power quality process improvement, trust the experts at Dranetz-BMI to find a solution that's right for your business.

TIF Infrared and Differential Thermometers

Digitally read temperature without contact. Just aim and read. Laser Sighting.

Prices include Calibration Certificate

A. TIF3310 Differential Thermometer with Cal, two bead Thermocouples **$205**

B. TIF3320 Differential Thermometer with Cal, two bead Thermocouples and IR Thermometer probe **$258**

Digital Thermometers

Measurement range:
J-type: -346 °F to +2192 °F
K-type: -328 °F to +2501 °F

Prices include Calibration Certificate

Fluke Series II 51-2 Single Input, with one bead thermocouple **$299**

C. Fluke Series II 52-2 Dual Input, with two bead thermocouples **$359**

*If Calibration Certificate is **not** needed, deduct **$50** from price.*

D. Extech 445580 Humidity/Temperature "Pen" **$66**

Pocket convenience.

- Humidity: Range: 10 to 90%; Accuracy: ± 5%; Resolution: 1%
- Temp: Range: +32 °F to +122 °F; Accuracy: ± 1.5 °F; Resolution: 0.1 °F

Temperature Adapters

Convert your DMM to a Temperature Meter.

E. Fluke 80TK DMM Temperature Adapter (w/Calibration Certificate) **$175**
Fluke 80TK DMM Temperature Adapter (w/o Calibration Certificate) **$130**

F. Fluke 80T-150U DMM Temperature Adapter (w/Calibration Certificate) **$270**
Fluke 80T-150U DMM Temperature Adapter (w/o Calibration Certificate) **$225**

Thermocouple Probes for Fluke 50-series & Other "K" Type Temperature Meters

G. Fluke 80PK-1 Bead thermocouple probe . . . . . **Call**
H. Fluke 80PK-3A Surface probe . . . . . **Call**
I. Fluke 80PK-22 Immersion probe . . . . . **Call**
J. Fluke 80PK-24 Air probe . . . . . **Call**
K. Fluke 80PK-25 Piercing probe . . . . . **Call**
L. Fluke 80PK-26 Extended bead probe . . . . . **Call**
M. Fluke 80PK-27 Ruggedized surface probe . . . . . **Call**

A

B

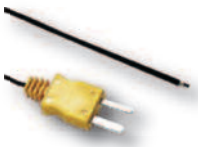
C

D

E

F

G



H

I

J

K

L

M

We carry <u>all</u> Temperature Products from Extech, TIF, BK & Fluke. Contact us with your needs!

EXTECH INSTRUMENTS

BK PRECISION ELECTRONIC TEST INSTRUMENTS

O

P

Q

R

Gammex RMI Multi-Purpose Phantom Series

Performs the following tests:

- Axial and Lateral Resolution at multiple depths
- Cyst imaging at multiple depths • Depth of penetration
- Image uniformity • Dead Zone
- Vertical and Horizontal Distance Accuracy

802263 403 LE-0.5 Precision **$3130**
802264 403 LE-0.7 Precision **$3730**

Gammex RMI Multi-Purpose Grey Scale Phantom Series

Use this series of phantoms for the following tests:

- Axial and Lateral Resolution at multiple depths
- Cyst imaging at multiple depths • Depth of penetration
- Image uniformity • Dead Zone
- Vertical and Horizontal Distance Accuracy
- Grey Scale qualitative and quantitative evaluations

O. 802259 403GS LE-0.5 Precision **$3484**
802260 403GS LE-0.7 Precision **$3484**

Gammex RMI Multi-Purpose Grey Scale Phantom Series

Advanced tissue mimicking gel and grey scale targets are designed for the exacting standards of today's high-resolution ultrasound systems. The Precision Resolution Grey Scale Phantom GAMMEX 405GSX LE incorporates our Tissue Mimicking (TM) gel which provides a smoother background texture than conventional TM gels. This gel reduces the back-scatter that is inherent in graphite-based TM gels and is fully compatible with the latest in tissue harmonics equipment and technology. The phantom can be scanned using normal control settings and ensures that the performance measured closely approximates the scanner's performance in a clinical examination. In addition, the phantom has a composite film scanning surface that has improved transmission properties so more of the ultrasonic beam can be transmitted and received. Attenuation: 0.5 ±0.05 dB/cm/MHz

P. 802267 405GSX LE-0.5 Precision **$3684**
802268 405GSX LE-0.7 Precision **$3684**

Gammex RMI Tissue Mimicking QC Phantom Series

Spherical Lesion Phantom This phantom is used to test the resolution of Ultrasound scanners. It tests in 3 dimensions: axial, lateral and elevational.

Q. 408 LE-0.5 US SPHERICAL LESION PHANTOM **$5970**
408 LE-0.7 US SPHERICAL LESION PHANTOM. **$5970**

R. Gammex RMI Carrying Case for 403/403GS 082B-403

. . . . . **$225**

Hard-sided carrying case designed with foam to protect any Ultrasound Phantom Investment on the inside.

Gammex
GAMMEX rmi

We carry the complete line of Gammex RMI & other lines of Phantoms.
Call us for specs & pricing to find the perfect model for you!

A. Unfors RaySafe Xi Prestige Systems . . . Call for Pricing

- The RaySafe Xi is the leading system for the quality assurance and service of diagnostic equipment including Radiology, Fluoroscopy, CT, and Mammography. The RaySafe Xi system simultaneously measures kVp, dose, dose rate, HVL, pulse, pulse rate, dose/frame, mA, mAs, time and waveforms. Thousands of satisfied medical physicists, service engineers, biomedical engineers, government inspectors and major manufacturers of quality X-ray machines throughout the world use the RaySafe Xi today.

  - RaySafe Xi Base unit with and without mAs
  - RaySafe Xi R/F & MAM detector
  - RaySafe Xi light detector
  - RaySafe Xi Transparent and Survey detectors
  - RaySafe Xi CT detector
  - RaySafe Xi Flexi stand
  - RaySafe Xi Bluetooth adapter

B. Unfors RaySafe X2 . . . . . $12700

- For Radiographic and Fluoroscopic measurements, The RaySafe X2 offers more insight with less effort. The X2 R/F sensor is orientation independent so the only thing you need to do is to place it in the X-ray beam and turn on the instrument. The rest is automatic – no menus, no selections. The large, intuitive touch screen of the RaySafe X2 provides more insight with an easy-to-read display of parameters and waveforms. More in-depth information is only a swipe away.

- Complete system in standard case:
  - X2 Base Unit mAs
  - X2 R/F Sensor
  - X2 Flexi Stand
  - X2 Power Supply
  - Cables 2m, 5m, 5m extender, mAs
  - Various documentation

C. Unfors RaySafe Solo

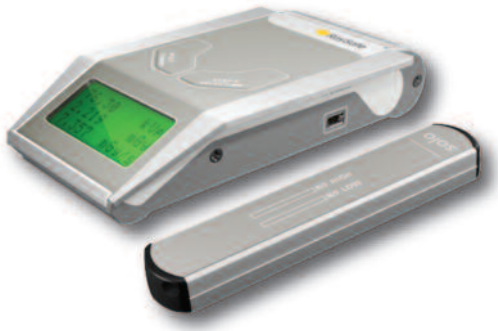
- The RaySafe Solo simultaneously measures parameters such as kVp, dose, dose rate, pulses, time, mA and mAs depending on the model used. While the RaySafe Solo shares the core technology from the market leader RaySafe Xi, it has been adapted to fit a defined need – R/F, Rad, CT, Mammo, Light, Dose, mAs, Dental, or Survey. Options, such as direct HVL and total filtration measurements and waveform display further enhance the RaySafe Solo experience. With minimal setup time, acquiring your first exposure take less than one minute.

  - RaySafe Solo R/F with mAs 1225010 . . . . . **$7870**
  - RaySafe Solo R/F 1225010 . . . . . **$6700**
  - RaySafe Solo RAD 1225012 . . . . . **$5480**
  - RaySafe Solo dose 1225013 . . . . . **$4260**
  - RaySafe Solo DENT 1225011. . . . . **$6090**
  - RaySafe Solo CT 1225014 . . . . . **$5480**
  - RaySafe Solo mAs 1225016. . . . . **$1200**
  - RaySafe Solo light 1225017. . . . . **$2870**
  - RaySafe Solo MAM 1225018 . . . . . **$7080**
  - RaySafe Solo MAM dose 1225019 . . . . . **$5480**
  - RaySafe Solo HVL 1224010. . . . . **$960**
  - RaySafe Solo MAM HVL 1224012. . . . . **$1200**
  - RaySafe Solo PC kit. **$960**

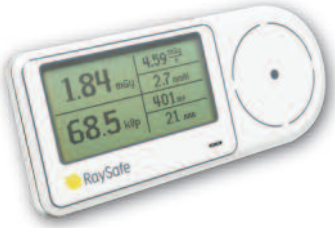
A

B

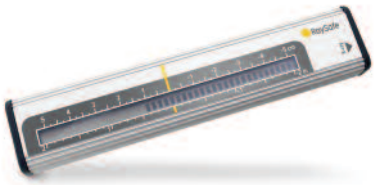
C



D



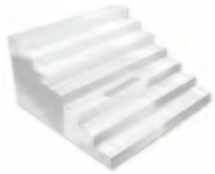
E



F

G

H



I

J

D. Unfors Raysafe Thinx

- RaySafe ThinX has been optimized to meet the need for a basic multi-parameter instrument for simultaneous measurement of dose, dose rate, kVp, HVL, exposure time and pulses. All parameters are conveniently displayed in the large LCD.

  - RaySafe ThinX RAD 1302024 . . . . . **$3040**
  - RaySafe ThinX RAD kVp 1302025 . . . . . **$1700**
  - RaySafe ThinX RAD Dose 1302026 . . . . . **$2060**
  - RaySafe ThinX intra 1302023. . . . . **$2430**

E. Unfors RaySafe DXR+ 1151011 . . . . . $640

X-Ray to light field alignment without film! The RaySafe DXR+, Direct X-ray Ruler, represents the latest in today's technology for alignment of the light and radiation field. The RaySafe DXR+ is extremely easy to use as it is powered on by simply exposing the meter. Features include auto reset and auto power off. There is no need to adjust the light field to a square phantom before making an exposure. No time is wasted waiting for films to be developed.

F. Lunar Alignment Kit BC20-35110 . . . . . $11000

Kit includes:

- BC20-35111 Lower Alignment Rod (DPX/Prodigy)
- BC20-35112 Alignment Extension Assembly for Prodigy
- BC20-35113 Aperture Alignment Plate for Prodigy
- BC20-35114 Peaking Brass Plate for Prodigy

G. • BC20-35115 Aluminum Calibration Standard Assembly

H. • BC20-35116 Primary Calibration Clear Step Block

- BC20-35117 Tube Head Wrench

I. Individual components:

BC20-35010 Aluminum Alloy 101 sheet, 8"x8" 1/4" thick . . $304.95
BC20-35011 Aluminum sheet, 12"x12" 1/4" thick $307.00
BC20-35020 Copper Alloy 101 , 8"x8" 1/32" thick $154.95
BC20-35021 Copper sheet, 12"x12" 1/32" thick $181.90
BC20-35030 Plexiglass sheet, 8"x8" 1/2" thick $28.95
BC20-35031 Plexiglass sheet, 12"x12" 1/2" thick $56.45

J. Atrix VACOSMRI Green Supreme ESD-MRI Vacuum . . . $400

The Atrix International VACOSMRI Omega Green Supreme ESD-Safe Hospital & MRI Service Vacuum System comes standard with a True HEPA Filter, a 15' Non-Metallic Hose, a 16" ESD-Safe Flexible Wand, an ESD-Safe Crevice Tool, and a Shoulder Strap which is perfect for maintaining MRI machines. The standard 15' Hose allows service personnel to keep a safe distance away from any magnetic field. The Atrix VACOSMRI GREEN Supreme Hospital & MRI Service Vacuum is made from High Impact Starex Flame Retardant ABS Polymer and features over-heat protection.

Kit includes:

- 15' non-metallic hose
- 16" ESD-Safe flexible wand
- ESD-Safe crevice tool
- Shoulder strap

A. MAVOLUX 5032 C USB & 5032 B USB Light Meters. . . . . Call for pricing

For measurememement and control of light sources such as street lights, public buildings sports facilities, and quality control in the manufacturing of lamps and light sources.

- Precision digital measuring instrument for measuring illumi nance in lux or footcandles
- Luminance measurement in cd/m2, or in footlamberts with lumi nance attachment as accessory
- Large measuring ranges - high resolution - classified in accor dance with DIN 5032-7 and CIE no. 69
- The silicon photodiode is color corrected, i.e. its spectral sensi tivity is matched to that of the human eye V(l).

A

B. MAVO - SPOT 2 USB Spotmeter. . . . . Call for pricing

Luminance 1° Spot Meter attachment that provides very precise readings for this high-end meter.

From a minimum distance of 1m, and out to infinity, this accessory can be used to obtain precise luminance readings for many applications involving photography, sports venues, street lighting, museums, projection screens, desk lighting and any architectural need.

- SLR viewfinder with measuring circle of 1° and viewing field of 15°
- Measuring from the distance from 1 m to ∞, with close-up lenses (optional) down to 34 cm
- Contact measurement with optional Measuring Probe Backlight display illumination with LCD read-out in the viewfinder

B

C. MAVO-MONITOR USB Light Meter. . . . . Call for pricing

The Gossen Mavo Monitor is a digital precision light meter for measuring luminance with the measuring sensor placed directly on the luminous or back-lighted surface, for instance monitors (Crt/Lcd), TV screens, light boxes, light panels, traffic signs and ground glass.

An easy to handle, user-friendly light meter for professional appli cations in industry and service, for special checks and certified testings according to the existing safety regulations, above all at work stations, in medical and office systems.

- Measurement of luminance in cd/m² or fL
- Easy operation
- 3½ place display
- Storage of up to 100 measured values
- USB 1.1 port
- Automatic and manual measuring range selection

C

D. M505G Mavo-Max . . . . . Call for pricing

Monitoring of the ambient light according to IEC 61223-2 5 (QS-RL dt. Nov. 20, 2003). The MAVO-MAX extends the repeating cycles to six months for testing the constancy at imaging display systems concerning the „veil luminance“ and the „max. brightness contrast“. In case of repeat measurements in the course of inspection or constancy tests, the repetition of the “veil luminance“ measurement will not be required. Therefore, it saves the waiting time of up to 60 minutes, which must be observed for this procedure to ensure stability of the imaging display.

D

A

B

C

D

E

E

F

G

A. Omega Supreme Electronic Vacuum

- ESD-Safe • EMI/RFI line filtered
- Accessories store inside lid • 0.3 Micron Filter
- Size / Weight: 19”x 8”x10” / 11 Lbs

VACOMEGASLF 110 V **$310**
VACOMEGASLFH 110 V with HEPA **$326**
VACOMEGAS220F 220 V. **$254**

Optional Accessories:

- **31700-2P** 0.3 Micron Cap. Std. Filter (two pack) . . . **$39**
- **VACPACK** Deluxe Back Pack **$70**

B. HEPA Express Vacuum VACEXP-04 . . . . . $189

- Safe for electronics, EMI/RFI Filtered
- HEPA grade filtration in a small powerful size

Optional Accessories:

- **710333** 0.3 Micron Cap. Std. Toner Filter (two pack) . . . **$25**
- **730333** 0.12 Micron Cap. HEPA Filter (two pack) . **$44**

C. Field Portable Static Kit ATIESD-1CPGS $65

- Includes mat, wrist strap & ground cord.

D. CDI 1002MFRMH ADJ. TORQUE WRENCHES 10-100 ft. lbs . . . . . Call

- Metal Handle Dual Scale. The metal handle series offers the user a rugged, industrial strength torque wrench able to withstand the rigors of professional use. Handles are lightly knurled for a tough, non-slip grip. Individually serialized with matching certificate of calibration traceable to N.I.S.T.

E. CDI 401SM ADJ. SCREWDRIVER 5-40 in.lbs . . . . . Call

- Adjustable models offer versatility for applications that require more than one torque value. A simple, cam-over design prevents over-tightening and possible damage to components. Individually serialized with matching certificate of calibration traceable to N.I.S.T.

Complete CDI Torque Product Line . . . . . Call for pricing

Remin Kart-A-Bag Carts

- Ten Year Limited Warranty
- Solid chrome-plated steel with heavy-duty wheels
- Captive elastic cord to secure load
- Durable & heavy-duty

E. Remin Super 600 . . . . . **$196**
- 6” roller-bearing semi-pneumatic wheels • 300 Lbs capacity

F. Remin TriKart 800 . . . . . **$246**
- 6” roller-bearing semi-pneumatic wheels • 300 Lbs capacity
- Tilt-back swivel casters

Other models, sizes & capacities available, call for specs & prices!

G. PM Cart Lite 20-734 . . . . . $438

- Built-in peg boards & cord wrap • Hard plastic casters
- Durable metal & plastic construction
- Size / Weight: 32”x30”x20”Deep / 56 Lbs